

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101519\
 Data File : VD063966.D
 Acq On : 15 Oct 2019 12:30
 Operator : VA/SY
 Sample : VD1015SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1015SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/18/2019 12:41:44 AM

Quant Time: Oct 16 02:27:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 05 03:51:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	190615	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	305300	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	292667	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	151496	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	90837	48.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.90%	
35) Dibromofluoromethane	7.92	113	92796	49.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.48%	
50) Toluene-d8	10.34	98	394521	52.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.20%	
62) 4-Bromofluorobenzene	12.63	95	123903	47.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	27895	20.636	ug/l	94
3) Chloromethane	2.21	50	77639	18.503	ug/l	99
4) Vinyl Chloride	2.35	62	95487	21.855	ug/l	95
5) Bromomethane	2.76	94	61048	21.734	ug/l	90
6) Chloroethane	2.93	64	60753	21.026	ug/l	98
7) Trichlorofluoromethane	3.27	101	132532	22.943	ug/l	100
8) Diethyl Ether	3.70	74	16649	17.957	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.09	101	35664	22.304	ug/l	94
10) Methyl Iodide	4.30	142	42131	19.122	ug/l	98
11) Tert butyl alcohol	5.26	59	13455m	99.536	ug/l	
12) 1,1-Dichloroethene	4.06	96	33732	21.115	ug/l	97
13) Acrolein	3.93	56	11755	70.921	ug/l	98
14) Allyl chloride	4.70	41	52065	19.603	ug/l	98
15) Acrylonitrile	5.43	53	40543	99.182	ug/l	98
16) Acetone	4.17	43	39864	82.507	ug/l	99
17) Carbon Disulfide	4.41	76	110474	19.024	ug/l	98
18) Methyl Acetate	4.73	43	19563	20.701	ug/l	98
19) Methyl tert-butyl Ether	5.49	73	75821	18.329	ug/l	96
20) Methylene Chloride	4.97	84	47990	20.616	ug/l	97
21) trans-1,2-Dichloroethene	5.46	96	40550	20.390	ug/l	94
22) Diisopropyl ether	6.37	45	106822	19.693	ug/l	98
23) Vinyl Acetate	6.31	43	312058	96.706	ug/l	99
24) 1,1-Dichloroethane	6.27	63	69084	20.677	ug/l	96
25) 2-Butanone	7.22	43	51962	90.748	ug/l	99
26) 2,2-Dichloropropane	7.21	77	62451	20.663	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	43810	19.463	ug/l	99
28) Bromochloromethane	7.56	49	20938	17.733	ug/l	100
29) Tetrahydrofuran	7.57	42	31724	94.921	ug/l	96
30) Chloroform	7.71	83	73431	20.235	ug/l	99
31) Cyclohexane	7.98	56	67254	22.121	ug/l #	95
32) 1,1,1-Trichloroethane	7.91	97	65684	21.101	ug/l	99
36) 1,1-Dichloropropene	8.11	75	58650	21.011	ug/l	98
37) Ethyl Acetate	7.30	43	21202	16.250	ug/l #	92
38) Carbon Tetrachloride	8.10	117	59189	20.983	ug/l #	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101519\
 Data File : VD063966.D
 Acq On : 15 Oct 2019 12:30
 Operator : VA/SY
 Sample : VD1015SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VD1015SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/18/2019 12:41:44 AM

Quant Time: Oct 16 02:27:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 05 03:51:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	73358	21.373	ug/l	92
40) Benzene	8.35	78	165265	20.660	ug/l	99
41) Methacrylonitrile	7.53	41	14213	21.961	ug/l #	80
42) 1,2-Dichloroethane	8.43	62	44981	19.439	ug/l	100
43) Isopropyl Acetate	8.47	43	43015	18.375	ug/l	98
44) Trichloroethene	9.12	130	47311	20.510	ug/l	100
45) 1,2-Dichloropropane	9.39	63	38585	19.707	ug/l	92
46) Dibromomethane	9.47	93	20530	18.411	ug/l	89
47) Bromodichloromethane	9.67	83	56335	19.622	ug/l	98
48) Methyl methacrylate	9.46	41	21686	19.334	ug/l #	89
49) 1,4-Dioxane	9.46	88	5663	372.053	ug/l	94
51) 4-Methyl-2-Pentanone	10.24	43	116297	95.789	ug/l	98
52) Toluene	10.40	92	113304	20.633	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	51456	18.367	ug/l	95
54) cis-1,3-Dichloropropene	10.09	75	60482	18.755	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	30727	19.516	ug/l	95
56) Ethyl methacrylate	10.67	69	35921	18.016	ug/l	98
57) 1,3-Dichloropropane	10.95	76	51739	19.206	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	80226	93.610	ug/l	100
59) 2-Hexanone	10.98	43	79626	90.666	ug/l	99
60) Dibromochloromethane	11.14	129	38211	18.641	ug/l	98
61) 1,2-Dibromoethane	11.25	107	29602	19.394	ug/l	97
64) Tetrachloroethene	10.88	164	42940	21.492	ug/l	89
65) Chlorobenzene	11.67	112	121963	20.751	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.74	131	43731	20.192	ug/l	97
67) Ethyl Benzene	11.75	91	218323	20.600	ug/l	99
68) m/p-Xylenes	11.85	106	170253	41.619	ug/l	97
69) o-Xylene	12.18	106	79478	20.290	ug/l	96
70) Styrene	12.20	104	134974	20.355	ug/l	99
71) Bromoform	12.36	173	24213	20.832	ug/l #	98
73) Isopropylbenzene	12.48	105	219096	21.513	ug/l	99
74) N-amyl acetate	12.29	43	39728	18.118	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.73	83	36136	20.390	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	29487m	29.060	ug/l	
77) Bromobenzene	12.76	156	54108	21.325	ug/l	98
78) n-propylbenzene	12.82	91	260346	21.779	ug/l	99
79) 2-Chlorotoluene	12.91	91	144767	21.963	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	182591	21.490	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.53	75	10238	17.855	ug/l	94
82) 4-Chlorotoluene	13.01	91	144948	20.729	ug/l	99
83) tert-Butylbenzene	13.23	119	158383	20.945	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	181421	20.712	ug/l	99
85) sec-Butylbenzene	13.40	105	226646	22.194	ug/l	99
86) p-Isopropyltoluene	13.52	119	208821	21.610	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	105537	21.050	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	102980	20.821	ug/l	98
89) n-Butylbenzene	13.84	91	202260	22.487	ug/l	96
90) Hexachloroethane	14.11	117	37011	21.296	ug/l	98
91) 1,2-Dichlorobenzene	13.89	146	93478	21.636	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	6353	21.680	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101519\
Data File : VD063966.D
Acq On : 15 Oct 2019 12:30
Operator : VA/SY
Sample : VD1015SBSD01
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD1015SBSD01

Manual Integrations
APPROVED

MMDadoda
10/18/2019 12:41:44 AM

Quant Time: Oct 16 02:27:10 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
Quant Title : SW846 8260
QLast Update : Sat Oct 05 03:51:17 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	62275	18.680	ug/l	89
94) Hexachlorobutadiene	15.27	225	40203	21.853	ug/l	98
95) Naphthalene	15.40	128	111667	19.929	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	58101	20.200	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD101519\
Data File : VD063966.D
Acq On : 15 Oct 2019 12:30
Operator : VA/SY
Sample : VD1015SBSD01
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD1015SBSD01

Manual Integrations
APPROVED

MMDadoda
10/18/2019 12:41:44 AM

Quant Time: Oct 16 02:27:10 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
Quant Title : SW846 8260
QLast Update : Sat Oct 05 03:51:17 2019
Response via : Initial Calibration

