

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111519\
 Data File : VD064243.D
 Acq On : 16 Nov 2019 00:34
 Operator : VA/SY
 Sample : VD1115SBS02
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1115SBS02

Manual Integrations
 APPROVED

MMDADODA
 11/19/2019 12:22:35 PM

Quant Time: Nov 18 01:14:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 12 02:43:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	585849	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	858363	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	755357	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	361542	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	246923	51.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.50%	
35) Dibromofluoromethane	7.92	113	255213	51.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.60%	
50) Toluene-d8	10.34	98	906665	48.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.56%	
62) 4-Bromofluorobenzene	12.64	95	309987	48.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	89452	18.410	ug/l	95
3) Chloromethane	2.21	50	107216	20.572	ug/l	97
4) Vinyl Chloride	2.35	62	124583	22.354	ug/l	99
5) Bromomethane	2.76	94	90629	25.752	ug/l	97
6) Chloroethane	2.92	64	86626	24.325	ug/l	96
7) Trichlorofluoromethane	3.27	101	223449	24.729	ug/l	95
8) Diethyl Ether	3.71	74	53622	21.582	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.08	101	102100	19.769	ug/l	99
10) Methyl Iodide	4.29	142	106690	19.393	ug/l	96
11) Tert butyl alcohol	5.25	59	37393	111.112	ug/l	98
12) 1,1-Dichloroethene	4.06	96	96151	19.532	ug/l	94
13) Acrolein	3.93	56	21340	74.956	ug/l	93
14) Allyl chloride	4.70	41	164858	18.941	ug/l	98
15) Acrylonitrile	5.43	53	118512	111.890	ug/l	99
16) Acetone	4.17	43	89623	78.517	ug/l	99
17) Carbon Disulfide	4.40	76	286459	18.686	ug/l	98
18) Methyl Acetate	4.73	43	68397	21.454	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	249323	21.215	ug/l	97
20) Methylene Chloride	4.96	84	119167	20.668	ug/l	95
21) trans-1,2-Dichloroethene	5.46	96	109506	19.634	ug/l	97
22) Diisopropyl ether	6.37	45	322690	19.982	ug/l	96
23) Vinyl Acetate	6.31	43	936048	103.981	ug/l	99
24) 1,1-Dichloroethane	6.26	63	190550	20.321	ug/l	99
25) 2-Butanone	7.23	43	150754	102.228	ug/l	98
26) 2,2-Dichloropropane	7.21	77	159714	17.368	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	127258	21.277	ug/l	91
28) Bromochloromethane	7.55	49	52878	16.198	ug/l	96
29) Tetrahydrofuran	7.57	42	97261	109.772	ug/l	98
30) Chloroform	7.71	83	209897	21.884	ug/l	97
31) Cyclohexane	7.98	56	171720	18.159	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	180544	19.658	ug/l	99
36) 1,1-Dichloropropene	8.11	75	152827	19.292	ug/l	98
37) Ethyl Acetate	7.30	43	69905	20.931	ug/l	97
38) Carbon Tetrachloride	8.10	117	163681	19.310	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111519\
 Data File : VD064243.D
 Acq On : 16 Nov 2019 00:34
 Operator : VA/SY
 Sample : VD1115SBS02
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VD1115SBS02

Manual Integrations
 APPROVED

MMDADODA
 11/19/2019 12:22:35 PM

Quant Time: Nov 18 01:14:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 12 02:43:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	183978	18.354	ug/l	97
40) Benzene	8.35	78	423726	19.571	ug/l	99
41) Methacrylonitrile	7.53	41	39031	18.594	ug/l #	85
42) 1,2-Dichloroethane	8.43	62	131474	20.219	ug/l	99
43) Isopropyl Acetate	8.46	43	138466	20.123	ug/l	98
44) Trichloroethene	9.11	130	129106	19.868	ug/l	98
45) 1,2-Dichloropropane	9.39	63	104012	19.737	ug/l	97
46) Dibromomethane	9.48	93	60314	21.379	ug/l	99
47) Bromodichloromethane	9.67	83	154306	20.305	ug/l	99
48) Methyl methacrylate	9.46	41	64267	19.100	ug/l	88
49) 1,4-Dioxane	9.47	88	15955	470.892	ug/l	92
51) 4-Methyl-2-Pentanone	10.23	43	343785	104.183	ug/l	100
52) Toluene	10.41	92	284880	20.010	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	145967	19.173	ug/l	96
54) cis-1,3-Dichloropropene	10.09	75	172398	19.405	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	82943	21.672	ug/l	98
56) Ethyl methacrylate	10.67	69	110348	20.612	ug/l	96
57) 1,3-Dichloropropane	10.95	76	139619	20.918	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	210737	97.174	ug/l	99
59) 2-Hexanone	10.99	43	232585	99.072	ug/l	100
60) Dibromochloromethane	11.14	129	111545	20.887	ug/l	100
61) 1,2-Dibromoethane	11.25	107	80016	20.874	ug/l	98
64) Tetrachloroethene	10.88	164	111650	19.219	ug/l	98
65) Chlorobenzene	11.67	112	302213	19.675	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	116950	20.024	ug/l	99
67) Ethyl Benzene	11.75	91	535528	19.275	ug/l	98
68) m/p-Xylenes	11.86	106	411743	38.663	ug/l	99
69) o-Xylene	12.18	106	194227	19.665	ug/l	96
70) Styrene	12.20	104	332525	19.287	ug/l	99
71) Bromoform	12.37	173	69683	20.964	ug/l #	98
73) Isopropylbenzene	12.48	105	515194	19.414	ug/l	98
74) N-amyl acetate	12.30	43	125250	19.987	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	86741	21.693	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	55804m	19.163	ug/l	
77) Bromobenzene	12.77	156	135841	21.070	ug/l	96
78) n-propylbenzene	12.83	91	590940	19.491	ug/l	99
79) 2-Chlorotoluene	12.91	91	329087	19.225	ug/l	97
80) 1,3,5-Trimethylbenzene	12.97	105	423262	19.411	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	25740	17.558	ug/l	89
82) 4-Chlorotoluene	13.01	91	345762	19.366	ug/l	100
83) tert-Butylbenzene	13.23	119	373983	19.450	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	416322	19.339	ug/l	98
85) sec-Butylbenzene	13.41	105	493050	19.092	ug/l	100
86) p-Isopropyltoluene	13.52	119	465224	18.949	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	237787	19.869	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	238905	20.454	ug/l	100
89) n-Butylbenzene	13.85	91	415523	18.733	ug/l	99
90) Hexachloroethane	14.12	117	86534	19.072	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	211778	20.907	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.52	75	14571	20.381	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111519\
Data File : VD064243.D
Acq On : 16 Nov 2019 00:34
Operator : VA/SY
Sample : VD1115SBSD02
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 32 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD1115SBSD02

Manual Integrations
APPROVED

MMDADODA
11/19/2019 12:22:35 PM

Quant Time: Nov 18 01:14:20 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 12 02:43:24 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	153725	19.673	ug/l	99
94) Hexachlorobutadiene	15.28	225	96318	19.084	ug/l	98
95) Naphthalene	15.41	128	279586	21.827	ug/l	98
96) 1,2,3-Trichlorobenzene	15.61	180	137177	20.653	ug/l	99

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

