

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101419\
 Data File : VD063952.D
 Acq On : 14 Oct 2019 13:34
 Operator : VA/SY
 Sample : VD1014SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1014SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/16/2019 12:54:28 AM

Quant Time: Oct 14 17:20:08 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	171559	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	277047	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	269807	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	146815	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	86427	51.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.48%	
35) Dibromofluoromethane	7.92	113	89006	52.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.14%	
50) Toluene-d8	10.34	98	376986	54.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.72%	
62) 4-Bromofluorobenzene	12.63	95	120705	50.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	25508	20.966	ug/l	82
3) Chloromethane	2.21	50	82013	22.550	ug/l	98
4) Vinyl Chloride	2.35	62	91039	23.152	ug/l	96
5) Bromomethane	2.76	94	52208	20.652	ug/l	99
6) Chloroethane	2.91	64	58510	22.499	ug/l	99
7) Trichlorofluoromethane	3.27	101	127784	24.578	ug/l	92
8) Diethyl Ether	3.70	74	17121	20.517	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.07	101	32201	22.375	ug/l	97
10) Methyl Iodide	4.29	142	37196	18.757	ug/l	98
11) Tert butyl alcohol	5.26	59	13638	113.142	ug/l #	91
12) 1,1-Dichloroethene	4.05	96	31083	21.618	ug/l	91
13) Acrolein	3.92	56	11886	79.677	ug/l	96
14) Allyl chloride	4.71	41	47972	20.068	ug/l	94
15) Acrylonitrile	5.43	53	39350	106.956	ug/l	99
16) Acetone	4.16	43	41752	96.013	ug/l #	84
17) Carbon Disulfide	4.40	76	104745	20.041	ug/l	96
18) Methyl Acetate	4.71	43	20384	23.966	ug/l	97
19) Methyl tert-butyl Ether	5.48	73	72263	19.409	ug/l #	86
20) Methylene Chloride	4.96	84	43206	20.624	ug/l	93
21) trans-1,2-Dichloroethene	5.46	96	36823	20.573	ug/l	97
22) Diisopropyl ether	6.37	45	100561	20.598	ug/l	93
23) Vinyl Acetate	6.31	43	305303	105.122	ug/l	100
24) 1,1-Dichloroethane	6.26	63	62582	20.811	ug/l	96
25) 2-Butanone	7.22	43	51471	99.875	ug/l #	85
26) 2,2-Dichloropropane	7.20	77	56240	20.675	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	44082	21.759	ug/l	95
28) Bromochloromethane	7.54	49	20792	19.372	ug/l	100
29) Tetrahydrofuran	7.57	42	33231	110.474	ug/l	94
30) Chloroform	7.71	83	67732	20.738	ug/l	88
31) Cyclohexane	7.99	56	62107	22.810	ug/l #	94
32) 1,1,1-Trichloroethane	7.90	97	65331	23.318	ug/l	94
36) 1,1-Dichloropropene	8.11	75	57161	22.566	ug/l	99
37) Ethyl Acetate	7.30	43	22275	19.497	ug/l	99
38) Carbon Tetrachloride	8.10	117	57468	22.450	ug/l #	93

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101419\
 Data File : VD063952.D
 Acq On : 14 Oct 2019 13:34
 Operator : VA/SY
 Sample : VD1014SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1014SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/16/2019 12:54:28 AM

Quant Time: Oct 14 17:20:08 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	70324	22.579	ug/l	92
40) Benzene	8.35	78	156165	21.513	ug/l	99
41) Methacrylonitrile	7.53	41	13397	22.811	ug/l #	90
42) 1,2-Dichloroethane	8.43	62	44908	21.387	ug/l	98
43) Isopropyl Acetate	8.46	43	43435	20.446	ug/l	99
44) Trichloroethene	9.11	130	46121	22.033	ug/l	100
45) 1,2-Dichloropropane	9.39	63	37260	20.970	ug/l	97
46) Dibromomethane	9.48	93	21198	20.949	ug/l	92
47) Bromodichloromethane	9.67	83	52876	20.296	ug/l	98
48) Methyl methacrylate	9.46	41	19229	18.892	ug/l	93
49) 1,4-Dioxane	9.46	88	5668	410.357	ug/l	94
51) 4-Methyl-2-Pentanone	10.23	43	116018	105.305	ug/l	94
52) Toluene	10.40	92	107562	21.585	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	51490	20.254	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	59491	20.329	ug/l	93
55) 1,1,2-Trichloroethane	10.80	97	30697	21.485	ug/l	93
56) Ethyl methacrylate	10.67	69	34367	18.994	ug/l	95
57) 1,3-Dichloropropane	10.95	76	48078	19.667	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.94	63	76464	98.319	ug/l	100
59) 2-Hexanone	10.99	43	83257	104.468	ug/l	100
60) Dibromochloromethane	11.14	129	37660	20.246	ug/l	99
61) 1,2-Dibromoethane	11.24	107	31262	22.570	ug/l	98
64) Tetrachloroethene	10.88	164	39729	21.569	ug/l	95
65) Chlorobenzene	11.67	112	117040	21.600	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.74	131	42660	21.367	ug/l	93
67) Ethyl Benzene	11.74	91	209909	21.484	ug/l	99
68) m/p-Xylenes	11.86	106	164161	43.530	ug/l	97
69) o-Xylene	12.18	106	75058	20.785	ug/l	98
70) Styrene	12.20	104	128660	21.047	ug/l	99
71) Bromoform	12.36	173	23147	21.602	ug/l #	94
73) Isopropylbenzene	12.48	105	203046	20.573	ug/l	98
74) N-amyl acetate	12.29	43	43070	20.269	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	36028	20.978	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	22987m	23.377	ug/l	
77) Bromobenzene	12.76	156	50129	20.386	ug/l	98
78) n-propylbenzene	12.82	91	251346	21.696	ug/l	98
79) 2-Chlorotoluene	12.91	91	133425	20.887	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	173978	21.129	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	11494	20.685	ug/l	97
82) 4-Chlorotoluene	13.01	91	141048	20.815	ug/l	99
83) tert-Butylbenzene	13.23	119	149097	20.346	ug/l	95
84) 1,2,4-Trimethylbenzene	13.27	105	177126	20.866	ug/l	100
85) sec-Butylbenzene	13.40	105	217399	21.968	ug/l	98
86) p-Isopropyltoluene	13.52	119	200365	21.396	ug/l	98
87) 1,3-Dichlorobenzene	13.51	146	101019	20.792	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	102463	21.377	ug/l	96
89) n-Butylbenzene	13.85	91	192915	22.131	ug/l	98
90) Hexachloroethane	14.11	117	35353	20.990	ug/l	99
91) 1,2-Dichlorobenzene	13.89	146	86992	20.776	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.50	75	5639	19.640	ug/l	90

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD101419\
Data File : VD063952.D
Acq On : 14 Oct 2019 13:34
Operator : VA/SY
Sample : VD1014SBS01
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD1014SBS01

Manual Integrations
APPROVED

MMDadoda
10/16/2019 12:54:28 AM

Quant Time: Oct 14 17:20:08 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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	63462	19.643	ug/l	99
94) Hexachlorobutadiene	15.27	225	38787	21.756	ug/l	98
95) Naphthalene	15.40	128	107030	19.710	ug/l	96
96) 1,2,3-Trichlorobenzene	15.60	180	53706	19.267	ug/l	96

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

