

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111919\
 Data File : VD064283.D
 Acq On : 19 Nov 2019 12:03
 Operator : VA/SY
 Sample : VD1119SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1119SBS01

Manual Integrations
 APPROVED

MMDadoda
 11/20/2019 9:56:52 AM

Quant Time: Nov 20 04:35:09 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	7.99	168	570354	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	821264	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	706012	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	348315	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	238326	50.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.62%	
35) Dibromofluoromethane	7.92	113	242849	51.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.02%	
50) Toluene-d8	10.34	98	912923	51.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.66%	
62) 4-Bromofluorobenzene	12.64	95	297407	48.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	92128	19.476	ug/l	97
3) Chloromethane	2.21	50	107185	21.125	ug/l	99
4) Vinyl Chloride	2.35	62	129009	23.777	ug/l	99
5) Bromomethane	2.76	94	90895	26.529	ug/l	94
6) Chloroethane	2.92	64	86965	25.083	ug/l	96
7) Trichlorofluoromethane	3.27	101	218384	24.825	ug/l	99
8) Diethyl Ether	3.70	74	48732	20.147	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	102173	20.321	ug/l	99
10) Methyl Iodide	4.29	142	101779	19.044	ug/l	98
11) Tert butyl alcohol	5.26	59	34734	106.015	ug/l #	84
12) 1,1-Dichloroethene	4.06	96	98682	20.591	ug/l	98
13) Acrolein	3.92	56	21355	77.047	ug/l	91
14) Allyl chloride	4.71	41	156587	18.479	ug/l	94
15) Acrylonitrile	5.43	53	111091	107.733	ug/l	100
16) Acetone	4.17	43	87899	79.099	ug/l	99
17) Carbon Disulfide	4.40	76	277379	18.585	ug/l	97
18) Methyl Acetate	4.73	43	67893	21.874	ug/l	96
19) Methyl tert-butyl Ether	5.49	73	230623	20.157	ug/l	96
20) Methylene Chloride	4.96	84	107491	19.149	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	110170	20.290	ug/l	92
22) Diisopropyl ether	6.37	45	303745	19.319	ug/l	99
23) Vinyl Acetate	6.31	43	873352	99.653	ug/l	98
24) 1,1-Dichloroethane	6.26	63	185087	20.275	ug/l	97
25) 2-Butanone	7.22	43	137751	95.948	ug/l	98
26) 2,2-Dichloropropane	7.21	77	170457	19.040	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	116672	20.037	ug/l	98
28) Bromochloromethane	7.55	49	52655	16.568	ug/l	98
29) Tetrahydrofuran	7.57	42	91030	105.531	ug/l	94
30) Chloroform	7.71	83	201922	21.624	ug/l	98
31) Cyclohexane	7.99	56	172568	18.744	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	181921	20.346	ug/l	98
36) 1,1-Dichloropropene	8.11	75	150272	19.826	ug/l	99
37) Ethyl Acetate	7.30	43	62958	19.703	ug/l	96
38) Carbon Tetrachloride	8.10	117	159964	19.724	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	183934	19.178	ug/l	96
40) Benzene	8.36	78	410985	19.840	ug/l	97
41) Methacrylonitrile	7.52	41	32029	15.948	ug/l #	75
42) 1,2-Dichloroethane	8.43	62	124368	19.990	ug/l	99
43) Isopropyl Acetate	8.46	43	130951	19.890	ug/l	100
44) Trichloroethene	9.11	130	124204	19.977	ug/l	96
45) 1,2-Dichloropropane	9.39	63	100256	19.884	ug/l	94
46) Dibromomethane	9.48	93	56731	21.017	ug/l	98
47) Bromodichloromethane	9.67	83	145979	20.077	ug/l	99
48) Methyl methacrylate	9.46	41	59454	18.468	ug/l	89
49) 1,4-Dioxane	9.47	88	13879	428.125	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	322058	102.008	ug/l	100
52) Toluene	10.41	92	272256	19.987	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	138079	18.956	ug/l	95
54) cis-1,3-Dichloropropene	10.09	75	168340	19.805	ug/l	94
55) 1,1,2-Trichloroethane	10.80	97	77005	21.030	ug/l	97
56) Ethyl methacrylate	10.67	69	102415	19.994	ug/l	97
57) 1,3-Dichloropropane	10.95	76	133415	20.891	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	207707	100.104	ug/l	99
59) 2-Hexanone	10.99	43	218772	97.398	ug/l	99
60) Dibromochloromethane	11.14	129	105777	20.702	ug/l	99
61) 1,2-Dibromoethane	11.25	107	77360	21.093	ug/l	100
64) Tetrachloroethene	10.88	164	108810	20.039	ug/l	97
65) Chlorobenzene	11.67	112	289261	20.148	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	110191	20.185	ug/l	100
67) Ethyl Benzene	11.75	91	518226	19.956	ug/l	100
68) m/p-Xylenes	11.86	106	394907	39.673	ug/l	98
69) o-Xylene	12.18	106	182952	19.818	ug/l	98
70) Styrene	12.20	104	325676	20.210	ug/l	98
71) Bromoform	12.37	173	63459	20.426	ug/l #	96
73) Isopropylbenzene	12.48	105	506905	19.827	ug/l	99
74) N-amyl acetate	12.30	43	116430	19.285	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	79848	20.727	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	68082m	24.267	ug/l	
77) Bromobenzene	12.77	156	124120	19.983	ug/l	99
78) n-propylbenzene	12.83	91	579527	19.840	ug/l	100
79) 2-Chlorotoluene	12.91	91	314928	19.097	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	403764	19.220	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	27019	19.130	ug/l	99
82) 4-Chlorotoluene	13.01	91	334368	19.439	ug/l	98
83) tert-Butylbenzene	13.23	119	358950	19.377	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	401045	19.337	ug/l	100
85) sec-Butylbenzene	13.41	105	491624	19.760	ug/l	100
86) p-Isopropyltoluene	13.53	119	450839	19.060	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	229514	19.906	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	222533	19.776	ug/l	97
89) n-Butylbenzene	13.86	91	413025	19.328	ug/l	99
90) Hexachloroethane	14.12	117	83289	19.054	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	199942	20.489	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.52	75	13780	20.006	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	150058	19.933	ug/l	98
94) Hexachlorobutadiene	15.28	225	97002	19.950	ug/l	98
95) Naphthalene	15.41	128	265499	21.515	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	129874	20.296	ug/l	98

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

