

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030420\
 Data File : VD065417.D
 Acq On : 04 Mar 2020 18:14
 Operator : VA/SY
 Sample : VD0304SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0304SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/5/2020 1:39:10 PM

Quant Time: Mar 05 02:28:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 01:22:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	481620	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	717155	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	665157	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	333721	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	214127	51.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.66%	
35) Dibromofluoromethane	7.92	113	224908	50.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.42%	
50) Toluene-d8	10.34	98	869084	51.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.16%	
62) 4-Bromofluorobenzene	12.64	95	284512	54.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	89210	21.553	ug/l	98
3) Chloromethane	2.21	50	104320	20.875	ug/l	98
4) Vinyl Chloride	2.35	62	101985	20.691	ug/l	99
5) Bromomethane	2.76	94	64379	20.485	ug/l	98
6) Chloroethane	2.92	64	61618	20.411	ug/l	97
7) Trichlorofluoromethane	3.27	101	147209	20.269	ug/l	96
8) Diethyl Ether	3.70	74	47803	22.132	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	93703	20.032	ug/l	100
10) Methyl Iodide	4.29	142	98698	20.310	ug/l	98
11) Tert butyl alcohol	5.26	59	23302	98.332	ug/l #	91
12) 1,1-Dichloroethene	4.06	96	92561	20.665	ug/l	97
13) Acrolein	3.92	56	41772	102.211	ug/l	100
14) Allyl chloride	4.71	41	140055	20.355	ug/l	99
15) Acrylonitrile	5.43	53	101655	108.186	ug/l	99
16) Acetone	4.17	43	82037	98.186	ug/l	96
17) Carbon Disulfide	4.40	76	305351	20.471	ug/l	98
18) Methyl Acetate	4.73	43	46503	21.941	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	189944	22.052	ug/l	99
20) Methylene Chloride	4.96	84	112317	22.880	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	102507	20.573	ug/l	94
22) Diisopropyl ether	6.37	45	295846	23.129	ug/l	98
23) Vinyl Acetate	6.31	43	785621	110.618	ug/l	98
24) 1,1-Dichloroethane	6.27	63	173135	21.103	ug/l	97
25) 2-Butanone	7.22	43	118208	103.673	ug/l	97
26) 2,2-Dichloropropane	7.21	77	141626	19.754	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	109717	21.543	ug/l	97
28) Bromochloromethane	7.55	49	70133	21.366	ug/l	99
29) Tetrahydrofuran	7.57	42	78994	108.487	ug/l	98
30) Chloroform	7.71	83	178339	21.748	ug/l	100
31) Cyclohexane	7.98	56	162777	19.842	ug/l	98
32) 1,1,1-Trichloroethane	7.91	97	155408	20.508	ug/l	98
36) 1,1-Dichloropropene	8.11	75	136144	19.805	ug/l	99
37) Ethyl Acetate	7.30	43	56449	21.245	ug/l	95
38) Carbon Tetrachloride	8.10	117	141292	19.821	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	159800	19.247	ug/l	94
40) Benzene	8.35	78	402333	20.933	ug/l	100
41) Methacrylonitrile	7.53	41	31750	22.595	ug/l #	84
42) 1,2-Dichloroethane	8.43	62	109816	21.880	ug/l	99
43) Isopropyl Acetate	8.46	43	103199	21.035	ug/l	99
44) Trichloroethene	9.11	130	110518	20.361	ug/l	96
45) 1,2-Dichloropropane	9.39	63	99903	21.458	ug/l	91
46) Dibromomethane	9.48	93	52257	21.638	ug/l	99
47) Bromodichloromethane	9.67	83	135300	21.535	ug/l	96
48) Methyl methacrylate	9.46	41	48161	20.869	ug/l	98
49) 1,4-Dioxane	9.47	88	11738	424.918	ug/l	92
51) 4-Methyl-2-Pentanone	10.23	43	268137	108.608	ug/l	99
52) Toluene	10.41	92	257936	21.302	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	125782	21.423	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	156747	22.056	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	73687	21.543	ug/l	99
56) Ethyl methacrylate	10.67	69	85414	22.151	ug/l	99
57) 1,3-Dichloropropane	10.95	76	124122	21.447	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	211970	176.529	ug/l	99
59) 2-Hexanone	10.99	43	182205	106.613	ug/l	99
60) Dibromochloromethane	11.14	129	96464	22.001	ug/l	99
61) 1,2-Dibromoethane	11.25	107	71348	21.868	ug/l	96
64) Tetrachloroethene	10.88	164	96648	20.278	ug/l	95
65) Chlorobenzene	11.68	112	273149	20.752	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.75	131	100557	20.976	ug/l	99
67) Ethyl Benzene	11.75	91	458343	20.153	ug/l	99
68) m/p-Xylenes	11.86	106	365528	41.681	ug/l	99
69) o-Xylene	12.18	106	160590	20.818	ug/l	99
70) Styrene	12.20	104	289837	21.348	ug/l	99
71) Bromoform	12.37	173	56647	21.037	ug/l #	99
73) Isopropylbenzene	12.48	105	433960	19.770	ug/l	100
74) N-amyl acetate	12.30	43	94356	20.997	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	79800	20.682	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	63679m	24.182	ug/l	
77) Bromobenzene	12.77	156	115028	21.092	ug/l	99
78) n-propylbenzene	12.83	91	525152	20.164	ug/l	99
79) 2-Chlorotoluene	12.91	91	295663	20.143	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	370680	20.541	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	24666	19.767	ug/l	95
82) 4-Chlorotoluene	13.01	91	316643	20.529	ug/l	99
83) tert-Butylbenzene	13.23	119	298480	19.551	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	368588	20.721	ug/l	100
85) sec-Butylbenzene	13.41	105	426722	19.581	ug/l	100
86) p-Isopropyltoluene	13.53	119	389546	19.590	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	215093	20.515	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	212084	20.335	ug/l	98
89) n-Butylbenzene	13.86	91	359822	19.573	ug/l	99
90) Hexachloroethane	14.12	117	79926	19.517	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	188607	21.138	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.51	75	11909	20.267	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	126103	20.852	ug/l	99
94) Hexachlorobutadiene	15.28	225	76418	19.232	ug/l	96
95) Naphthalene	15.41	128	193523	20.779	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	111179	21.275	ug/l	100

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

