

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021820\
 Data File : VD065220.D
 Acq On : 18 Feb 2020 15:51
 Operator : VA/SY
 Sample : VD0218SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0218SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/19/2020 1:44:25 PM

Quant Time: Feb 19 03:45:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:26:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	457936	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	699060	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	630861	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	304019	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	214164	51.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.98%	
35) Dibromofluoromethane	7.92	113	221289	51.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.84%	
50) Toluene-d8	10.34	98	874964	53.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.40%	
62) 4-Bromofluorobenzene	12.64	95	275397	53.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	73716	19.192	ug/l	99
3) Chloromethane	2.21	50	104567	21.389	ug/l	98
4) Vinyl Chloride	2.35	62	103406	20.801	ug/l	100
5) Bromomethane	2.76	94	68070	22.647	ug/l	98
6) Chloroethane	2.92	64	65481	21.579	ug/l	93
7) Trichlorofluoromethane	3.27	101	153092	21.510	ug/l	98
8) Diethyl Ether	3.71	74	44905	20.902	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	97846	21.770	ug/l	98
10) Methyl Iodide	4.29	142	90262	19.342	ug/l	98
11) Tert butyl alcohol	5.25	59	25587	103.939	ug/l	100
12) 1,1-Dichloroethene	4.06	96	91027	21.440	ug/l	95
13) Acrolein	3.92	56	42591	126.831	ug/l	97
14) Allyl chloride	4.71	41	146059	21.184	ug/l	99
15) Acrylonitrile	5.43	53	99033	104.119	ug/l	98
16) Acetone	4.17	43	92035	91.392	ug/l	94
17) Carbon Disulfide	4.40	76	303938	21.352	ug/l	99
18) Methyl Acetate	4.73	43	46642	20.593	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	184828	20.875	ug/l	95
20) Methylene Chloride	4.96	84	111689	22.366	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	103851	21.516	ug/l	95
22) Diisopropyl ether	6.37	45	294869	22.185	ug/l	98
23) Vinyl Acetate	6.31	43	766497	104.605	ug/l	99
24) 1,1-Dichloroethane	6.27	63	178820	21.690	ug/l	98
25) 2-Butanone	7.22	43	122378	96.049	ug/l	99
26) 2,2-Dichloropropane	7.21	77	156143	21.829	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	110902	21.692	ug/l	99
28) Bromochloromethane	7.55	49	58729	19.201	ug/l	99
29) Tetrahydrofuran	7.57	42	79122	105.985	ug/l	96
30) Chloroform	7.71	83	180093	21.683	ug/l	99
31) Cyclohexane	7.98	56	170913	21.100	ug/l	96
32) 1,1,1-Trichloroethane	7.91	97	159298	21.436	ug/l	100
36) 1,1-Dichloropropene	8.11	75	146185	21.492	ug/l	99
37) Ethyl Acetate	7.30	43	54962	19.329	ug/l	98
38) Carbon Tetrachloride	8.10	117	145414	21.001	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	169423	21.187	ug/l	95
40) Benzene	8.36	78	414400	21.584	ug/l	100
41) Methacrylonitrile	7.53	41	19853	12.092	ug/l #	70
42) 1,2-Dichloroethane	8.43	62	110973	21.025	ug/l	100
43) Isopropyl Acetate	8.46	43	104868	20.281	ug/l	99
44) Trichloroethene	9.11	130	114404	21.497	ug/l	99
45) 1,2-Dichloropropane	9.39	63	99260	20.792	ug/l	92
46) Dibromomethane	9.48	93	51631	21.020	ug/l	99
47) Bromodichloromethane	9.67	83	138277	21.361	ug/l	96
48) Methyl methacrylate	9.46	41	48504	20.294	ug/l	94
49) 1,4-Dioxane	9.47	88	11191	388.457	ug/l	97
51) 4-Methyl-2-Pentanone	10.24	43	265404	101.055	ug/l	99
52) Toluene	10.41	92	260809	21.947	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	123991	20.665	ug/l	93
54) cis-1,3-Dichloropropene	10.10	75	151008	20.842	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	70935	20.518	ug/l	97
56) Ethyl methacrylate	10.67	69	80961	20.289	ug/l	98
57) 1,3-Dichloropropane	10.95	76	121477	20.645	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	120659	95.908	ug/l	99
59) 2-Hexanone	10.99	43	184788	98.290	ug/l	100
60) Dibromochloromethane	11.15	129	93668	21.168	ug/l	98
61) 1,2-Dibromoethane	11.25	107	68461	20.914	ug/l	97
64) Tetrachloroethene	10.88	164	96236	21.509	ug/l	94
65) Chlorobenzene	11.68	112	273614	21.613	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	97900	20.723	ug/l	98
67) Ethyl Benzene	11.75	91	475979	21.467	ug/l	99
68) m/p-Xylenes	11.86	106	376002	44.324	ug/l	98
69) o-Xylene	12.18	106	162619	21.638	ug/l	99
70) Styrene	12.20	104	287718	21.563	ug/l	98
71) Bromoform	12.37	173	54160	20.660	ug/l #	99
73) Isopropylbenzene	12.48	105	448228	22.269	ug/l	99
74) N-amyl acetate	12.30	43	90691	20.278	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	75964	20.912	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	51582m	19.941	ug/l	
77) Bromobenzene	12.77	156	111648	22.338	ug/l	97
78) n-propylbenzene	12.83	91	549872	22.734	ug/l	100
79) 2-Chlorotoluene	12.91	91	300339	22.165	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	372966	22.498	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	24994	20.863	ug/l	98
82) 4-Chlorotoluene	13.01	91	316870	22.027	ug/l	99
83) tert-Butylbenzene	13.23	119	304263	21.899	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	376432	22.686	ug/l	99
85) sec-Butylbenzene	13.41	105	444280	22.191	ug/l	100
86) p-Isopropyltoluene	13.53	119	414901	22.661	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	207138	21.438	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	207793	21.790	ug/l	99
89) n-Butylbenzene	13.86	91	375610	22.263	ug/l	98
90) Hexachloroethane	14.12	117	80607	21.683	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	179672	21.657	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	10625	18.980	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	118067	21.756	ug/l	95
94) Hexachlorobutadiene	15.28	225	75272	21.623	ug/l	100
95) Naphthalene	15.41	128	180990	20.515	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	104190	21.983	ug/l	98

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

