

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022520\
 Data File : VD065306.D
 Acq On : 25 Feb 2020 12:46
 Operator : VA/SY
 Sample : VD0225SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0225SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/26/2020 10:25:40 AM

Quant Time: Feb 25 23:46:38 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	468022	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	695784	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	630975	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	315554	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	210256	49.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.88%	
35) Dibromofluoromethane	7.92	113	218041	51.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.78%	
50) Toluene-d8	10.34	98	872358	53.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.58%	
62) 4-Bromofluorobenzene	12.64	95	276427	53.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	71911	18.319	ug/l	100
3) Chloromethane	2.21	50	95970	19.208	ug/l	99
4) Vinyl Chloride	2.35	62	96883	19.069	ug/l	97
5) Bromomethane	2.76	94	57900	18.848	ug/l	97
6) Chloroethane	2.92	64	60897	19.636	ug/l	98
7) Trichlorofluoromethane	3.27	101	145597	20.016	ug/l	95
8) Diethyl Ether	3.71	74	44633	20.328	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	96295	20.963	ug/l	100
10) Methyl Iodide	4.29	142	85323	17.890	ug/l	99
11) Tert butyl alcohol	5.24	59	23145	91.993	ug/l #	72
12) 1,1-Dichloroethene	4.06	96	90551	20.868	ug/l	95
13) Acrolein	3.93	56	37687	105.363	ug/l	99
14) Allyl chloride	4.71	41	137668	19.537	ug/l	98
15) Acrylonitrile	5.43	53	96318	99.082	ug/l	100
16) Acetone	4.16	43	92420	89.796	ug/l	97
17) Carbon Disulfide	4.40	76	284649	19.566	ug/l	100
18) Methyl Acetate	4.73	43	48527	20.964	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	179084	19.791	ug/l	97
20) Methylene Chloride	4.97	84	107148	20.683	ug/l	93
21) trans-1,2-Dichloroethene	5.47	96	100820	20.438	ug/l	95
22) Diisopropyl ether	6.37	45	276055	20.322	ug/l	99
23) Vinyl Acetate	6.31	43	714729	95.438	ug/l	100
24) 1,1-Dichloroethane	6.26	63	172771	20.505	ug/l	98
25) 2-Butanone	7.22	43	120391	92.453	ug/l	96
26) 2,2-Dichloropropane	7.21	77	147136	20.127	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	103387	19.786	ug/l	98
28) Bromochloromethane	7.55	49	59723	19.106	ug/l	98
29) Tetrahydrofuran	7.57	42	74297	97.377	ug/l	99
30) Chloroform	7.71	83	172009	20.263	ug/l	98
31) Cyclohexane	7.98	56	169469	20.471	ug/l #	93
32) 1,1,1-Trichloroethane	7.91	97	156756	20.639	ug/l	100
36) 1,1-Dichloropropene	8.11	75	138458	20.452	ug/l	99
37) Ethyl Acetate	7.30	43	52378	18.507	ug/l	98
38) Carbon Tetrachloride	8.10	117	142711	20.707	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	161896	20.341	ug/l	98
40) Benzene	8.35	78	392288	20.529	ug/l	98
41) Methacrylonitrile	7.53	41	30831	18.867	ug/l	98
42) 1,2-Dichloroethane	8.43	62	105900	20.159	ug/l	98
43) Isopropyl Acetate	8.46	43	99426	19.319	ug/l	99
44) Trichloroethene	9.11	130	110006	20.768	ug/l	99
45) 1,2-Dichloropropane	9.39	63	97005	20.415	ug/l	94
46) Dibromomethane	9.48	93	49107	20.086	ug/l	98
47) Bromodichloromethane	9.67	83	130873	20.313	ug/l	98
48) Methyl methacrylate	9.46	41	47264	19.868	ug/l	98
49) 1,4-Dioxane	9.47	88	11463	399.772	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	259788	99.383	ug/l	99
52) Toluene	10.41	92	256028	21.646	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	122184	20.459	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	148777	20.631	ug/l	100
55) 1,1,2-Trichloroethane	10.80	97	72386	21.036	ug/l	98
56) Ethyl methacrylate	10.67	69	78184	19.685	ug/l	99
57) 1,3-Dichloropropane	10.95	76	120044	20.497	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.95	63	121326	96.892	ug/l	100
59) 2-Hexanone	10.99	43	177487	94.851	ug/l	100
60) Dibromochloromethane	11.14	129	90922	20.644	ug/l	99
61) 1,2-Dibromoethane	11.25	107	67690	20.776	ug/l	99
64) Tetrachloroethene	10.88	164	99481	22.230	ug/l	98
65) Chlorobenzene	11.67	112	267019	21.088	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	96733	20.472	ug/l	98
67) Ethyl Benzene	11.75	91	456648	20.592	ug/l	100
68) m/p-Xylenes	11.86	106	359635	42.387	ug/l	100
69) o-Xylene	12.18	106	158153	21.040	ug/l	99
70) Styrene	12.20	104	280233	20.998	ug/l	100
71) Bromoform	12.37	173	54799	20.900	ug/l #	100
73) Isopropylbenzene	12.48	105	434155	20.782	ug/l	99
74) N-amyl acetate	12.30	43	88654	19.098	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.74	83	75026	19.899	ug/l	96
76) 1,2,3-Trichloropropane	12.79	75	59854m	22.293	ug/l	
77) Bromobenzene	12.77	156	106047	20.442	ug/l	99
78) n-propylbenzene	12.83	91	526930	20.989	ug/l	99
79) 2-Chlorotoluene	12.91	91	288448	20.509	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	363096	21.102	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	24022	19.319	ug/l	96
82) 4-Chlorotoluene	13.01	91	305840	20.483	ug/l	99
83) tert-Butylbenzene	13.23	119	291921	20.242	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	357289	20.746	ug/l	99
85) sec-Butylbenzene	13.41	105	421787	20.297	ug/l	100
86) p-Isopropyltoluene	13.53	119	390124	20.529	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	206155	20.556	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	203091	20.518	ug/l	99
89) n-Butylbenzene	13.85	91	356453	20.355	ug/l	99
90) Hexachloroethane	14.12	117	78511	20.347	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	175619	20.394	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	11692	20.123	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	113842	20.211	ug/l	96
94) Hexachlorobutadiene	15.28	225	75282	20.835	ug/l	99
95) Naphthalene	15.41	128	179243	19.575	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	102504	20.837	ug/l	98

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

