

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021320\
 Data File : VD065173.D
 Acq On : 13 Feb 2020 11:49
 Operator : VA/SY
 Sample : VD0213SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0213SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/14/2020 4:17:52 PM

Quant Time: Feb 14 07:26:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 05 15:53:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	467919	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	700030	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	636172	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	316239	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	206926	52.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.06%	
35) Dibromofluoromethane	7.92	113	208192	53.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.60%	
50) Toluene-d8	10.34	98	800678	51.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.00%	
62) 4-Bromofluorobenzene	12.64	95	251980	51.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	75466	19.381	ug/l	95
3) Chloromethane	2.21	50	97752	21.326	ug/l	92
4) Vinyl Chloride	2.35	62	98482	20.316	ug/l	100
5) Bromomethane	2.76	94	58655	18.661	ug/l	91
6) Chloroethane	2.92	64	62251	20.702	ug/l	98
7) Trichlorofluoromethane	3.27	101	141824	20.104	ug/l	99
8) Diethyl Ether	3.71	74	40468	19.982	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	89129	20.667	ug/l	99
10) Methyl Iodide	4.30	142	83934	17.051	ug/l	100
11) Tert butyl alcohol	5.25	59	22962	94.500	ug/l #	87
12) 1,1-Dichloroethene	4.06	96	80783	19.558	ug/l	96
13) Acrolein	3.93	56	27427	91.771	ug/l	99
14) Allyl chloride	4.71	41	134357	19.572	ug/l	97
15) Acrylonitrile	5.44	53	96436	108.916	ug/l	98
16) Acetone	4.17	43	99272	99.841	ug/l	99
17) Carbon Disulfide	4.40	76	262939	19.827	ug/l	99
18) Methyl Acetate	4.72	43	51913	24.990	ug/l	95
19) Methyl tert-butyl Ether	5.48	73	174585	19.114	ug/l	95
20) Methylene Chloride	4.96	84	102167	21.055	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	92960	19.893	ug/l	91
22) Diisopropyl ether	6.37	45	265735	20.523	ug/l	99
23) Vinyl Acetate	6.31	43	722084	100.051	ug/l	100
24) 1,1-Dichloroethane	6.27	63	162058	20.677	ug/l	98
25) 2-Butanone	7.22	43	123070	103.765	ug/l	98
26) 2,2-Dichloropropane	7.21	77	141363	20.123	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	99501	20.042	ug/l	99
28) Bromochloromethane	7.54	49	59743	20.109	ug/l	99
29) Tetrahydrofuran	7.57	42	76075	106.065	ug/l	96
30) Chloroform	7.71	83	163333	20.930	ug/l	96
31) Cyclohexane	7.99	56	152924	19.330	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	146743	20.186	ug/l	99
36) 1,1-Dichloropropene	8.11	75	126610	19.451	ug/l	99
37) Ethyl Acetate	7.30	43	56924	21.406	ug/l	96
38) Carbon Tetrachloride	8.10	117	131667	19.805	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	148196	18.445	ug/l	97
40) Benzene	8.36	78	365733	20.347	ug/l	97
41) Methacrylonitrile	7.53	41	30732	20.977	ug/l #	88
42) 1,2-Dichloroethane	8.43	62	103918	20.290	ug/l	98
43) Isopropyl Acetate	8.46	43	101249	19.904	ug/l	99
44) Trichloroethene	9.12	130	103432	20.047	ug/l	100
45) 1,2-Dichloropropane	9.39	63	91168	21.154	ug/l	100
46) Dibromomethane	9.48	93	48701	21.505	ug/l	97
47) Bromodichloromethane	9.67	83	126137	21.139	ug/l	100
48) Methyl methacrylate	9.46	41	48635	19.869	ug/l	97
49) 1,4-Dioxane	9.47	88	10911	406.775	ug/l	93
51) 4-Methyl-2-Pentanone	10.24	43	262841	104.973	ug/l	99
52) Toluene	10.41	92	232998	20.309	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	116224	20.005	ug/l	97
54) cis-1,3-Dichloropropene	10.10	75	139400	20.062	ug/l	97
55) 1,1,2-Trichloroethane	10.81	97	65094	20.955	ug/l	95
56) Ethyl methacrylate	10.67	69	78123	19.877	ug/l	98
57) 1,3-Dichloropropane	10.95	76	112207	20.543	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	130282	90.465	ug/l	100
59) 2-Hexanone	10.99	43	187552	105.749	ug/l	100
60) Dibromochloromethane	11.14	129	87354	21.711	ug/l	98
61) 1,2-Dibromoethane	11.25	107	63769	21.010	ug/l	98
64) Tetrachloroethene	10.88	164	88562	19.374	ug/l	97
65) Chlorobenzene	11.68	112	249477	20.275	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	90992	20.036	ug/l	98
67) Ethyl Benzene	11.75	91	432355	19.340	ug/l	98
68) m/p-Xylenes	11.86	106	335162	39.282	ug/l	100
69) o-Xylene	12.18	106	147313	19.173	ug/l	98
70) Styrene	12.20	104	264200	19.784	ug/l	99
71) Bromoform	12.37	173	51011	20.869	ug/l #	99
73) Isopropylbenzene	12.48	105	401768	18.510	ug/l	100
74) N-amyl acetate	12.30	43	88512	18.761	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	75286	22.039	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	49583m	20.709	ug/l	
77) Bromobenzene	12.77	156	100816	19.278	ug/l	99
78) n-propylbenzene	12.83	91	491650	19.342	ug/l	100
79) 2-Chlorotoluene	12.91	91	268125	18.924	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	336771	18.965	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	24239	20.247	ug/l	98
82) 4-Chlorotoluene	13.01	91	288051	19.357	ug/l	100
83) tert-Butylbenzene	13.23	119	277478	18.112	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	335664	19.040	ug/l	100
85) sec-Butylbenzene	13.41	105	399044	19.071	ug/l	99
86) p-Isopropyltoluene	13.53	119	366179	18.836	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	191436	19.551	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	188341	19.326	ug/l	99
89) n-Butylbenzene	13.86	91	340379	18.969	ug/l	100
90) Hexachloroethane	14.13	117	73138	19.868	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	163525	19.498	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.52	75	11253	20.179	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	109926	18.339	ug/l	98
94) Hexachlorobutadiene	15.28	225	68853	18.681	ug/l	97
95) Naphthalene	15.41	128	177956	17.862	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	98843	19.278	ug/l	99

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

