

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032420\
 Data File : VD065521.D
 Acq On : 24 Mar 2020 16:00
 Operator : VA/SY
 Sample : VD0324SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0324SBS01

Manual Integrations
 APPROVED

apatel
 3/25/2020 10:40:06 AM

Quant Time: Mar 25 03:00:20 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	424282	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	620602	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	571998	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	299634	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	183884	50.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.04%	
35) Dibromofluoromethane	7.92	113	198035	51.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.20%	
50) Toluene-d8	10.34	98	735075	49.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.86%	
62) 4-Bromofluorobenzene	12.64	95	242126	53.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	76759	21.051	ug/l	99
3) Chloromethane	2.21	50	95191	21.623	ug/l	98
4) Vinyl Chloride	2.35	62	95156	21.914	ug/l	100
5) Bromomethane	2.77	94	62357	23.049	ug/l	90
6) Chloroethane	2.93	64	59095	22.221	ug/l	98
7) Trichlorofluoromethane	3.27	101	140132	21.902	ug/l	98
8) Diethyl Ether	3.70	74	43179	22.693	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	93945	22.798	ug/l	97
10) Methyl Iodide	4.30	142	96063	22.439	ug/l	97
11) Tert butyl alcohol	5.24	59	20976	100.479	ug/l #	95
12) 1,1-Dichloroethene	4.07	96	85641	21.704	ug/l	91
13) Acrolein	3.92	56	25326	70.344	ug/l	100
14) Allyl chloride	4.71	41	126202	20.820	ug/l	98
15) Acrylonitrile	5.43	53	94842	114.576	ug/l	99
16) Acetone	4.17	43	78513	106.668	ug/l	99
17) Carbon Disulfide	4.40	76	265178	20.180	ug/l	98
18) Methyl Acetate	4.73	43	44540	23.855	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	174991	23.061	ug/l	96
20) Methylene Chloride	4.97	84	106877	25.011	ug/l	93
21) trans-1,2-Dichloroethene	5.47	96	97949	22.315	ug/l	96
22) Diisopropyl ether	6.37	45	264840	23.503	ug/l	99
23) Vinyl Acetate	6.31	43	702643	112.304	ug/l	100
24) 1,1-Dichloroethane	6.27	63	166114	22.984	ug/l	96
25) 2-Butanone	7.22	43	109949	109.461	ug/l	98
26) 2,2-Dichloropropane	7.21	77	139933	22.155	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	101963	22.726	ug/l	99
28) Bromochloromethane	7.55	49	67032	23.181	ug/l	98
29) Tetrahydrofuran	7.57	42	71322	111.188	ug/l	99
30) Chloroform	7.71	83	169803	23.505	ug/l	95
31) Cyclohexane	7.98	56	146835	20.317	ug/l	93
32) 1,1,1-Trichloroethane	7.90	97	152220	22.801	ug/l	100
36) 1,1-Dichloropropene	8.11	75	129398	21.752	ug/l	97
37) Ethyl Acetate	7.30	43	51079	22.215	ug/l	97
38) Carbon Tetrachloride	8.10	117	139985	22.692	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	144939	20.173	ug/l	93
40) Benzene	8.36	78	377598	22.702	ug/l	100
41) Methacrylonitrile	7.53	41	28690	23.594	ug/l	91
42) 1,2-Dichloroethane	8.43	62	105536	24.299	ug/l	100
43) Isopropyl Acetate	8.46	43	94031	22.148	ug/l	98
44) Trichloroethene	9.12	130	108191	23.033	ug/l	97
45) 1,2-Dichloropropane	9.39	63	93617	23.236	ug/l	99
46) Dibromomethane	9.48	93	49124	23.506	ug/l	94
47) Bromodichloromethane	9.67	83	128704	23.672	ug/l	97
48) Methyl methacrylate	9.46	41	44365	22.215	ug/l	99
49) 1,4-Dioxane	9.47	88	11290	472.286	ug/l	91
51) 4-Methyl-2-Pentanone	10.23	43	247544	115.866	ug/l	99
52) Toluene	10.41	92	241349	23.034	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	118547	23.332	ug/l	100
54) cis-1,3-Dichloropropene	10.10	75	145147	23.601	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	71273	24.079	ug/l	94
56) Ethyl methacrylate	10.67	69	75000	22.476	ug/l	98
57) 1,3-Dichloropropane	10.95	76	118586	23.678	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	109346	106.112	ug/l	99
59) 2-Hexanone	10.99	43	166231	112.398	ug/l	99
60) Dibromochloromethane	11.14	129	95052	25.052	ug/l	98
61) 1,2-Dibromoethane	11.25	107	67237	23.815	ug/l	99
64) Tetrachloroethene	10.88	164	94675	23.099	ug/l	96
65) Chlorobenzene	11.67	112	261373	23.091	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	99004	24.016	ug/l	98
67) Ethyl Benzene	11.75	91	434672	22.224	ug/l	99
68) m/p-Xylenes	11.86	106	350193	46.436	ug/l	100
69) o-Xylene	12.18	106	149460	22.530	ug/l	98
70) Styrene	12.20	104	277327	23.754	ug/l	99
71) Bromoform	12.37	173	55937	24.157	ug/l #	99
73) Isopropylbenzene	12.48	105	414218	21.017	ug/l	100
74) N-amyl acetate	12.30	43	83853	20.783	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	74921	21.627	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	51880m	21.943	ug/l	
77) Bromobenzene	12.77	156	111043	22.678	ug/l	97
78) n-propylbenzene	12.83	91	503505	21.532	ug/l	99
79) 2-Chlorotoluene	12.91	91	288881	21.920	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	352442	21.752	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.54	75	23453	20.933	ug/l	97
82) 4-Chlorotoluene	13.01	91	304899	22.016	ug/l	98
83) tert-Butylbenzene	13.23	119	283534	20.685	ug/l	100
84) 1,2,4-Trimethylbenzene	13.28	105	349459	21.881	ug/l	100
85) sec-Butylbenzene	13.41	105	415138	21.217	ug/l	100
86) p-Isopropyltoluene	13.53	119	382452	21.421	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	214332	22.767	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	211826	22.620	ug/l	99
89) n-Butylbenzene	13.86	91	342132	20.728	ug/l	99
90) Hexachloroethane	14.12	117	79710	21.679	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	185490	23.154	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.52	75	11426	21.657	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	123161	22.683	ug/l	98
94) Hexachlorobutadiene	15.28	225	79795	22.366	ug/l	99
95) Naphthalene	15.41	128	182471	21.600	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	105085	22.397	ug/l	97

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

