

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022020\
 Data File : VD065250.D
 Acq On : 20 Feb 2020 12:09
 Operator : VA/SY
 Sample : VD0220SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0220SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/21/2020 3:22:55 PM

Quant Time: Feb 21 04:27:31 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	496943	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	742167	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	676291	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	327423	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	230139	51.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.96%	
35) Dibromofluoromethane	7.92	113	235983	52.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.30%	
50) Toluene-d8	10.34	98	938028	54.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.44%	
62) 4-Bromofluorobenzene	12.64	95	299387	54.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	72051	17.287	ug/l	100
3) Chloromethane	2.21	50	100143	18.876	ug/l	99
4) Vinyl Chloride	2.35	62	101772	18.865	ug/l	98
5) Bromomethane	2.77	94	62384	19.126	ug/l	94
6) Chloroethane	2.93	64	63311	19.226	ug/l	100
7) Trichlorofluoromethane	3.27	101	145122	18.790	ug/l	94
8) Diethyl Ether	3.71	74	45479	19.508	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	94834	19.444	ug/l	100
10) Methyl Iodide	4.30	142	102191	20.179	ug/l	98
11) Tert butyl alcohol	5.25	59	32454	121.486	ug/l #	94
12) 1,1-Dichloroethene	4.06	96	90990	19.749	ug/l	94
13) Acrolein	3.93	56	45332	123.761	ug/l	98
14) Allyl chloride	4.71	41	147663	19.736	ug/l	99
15) Acrylonitrile	5.43	53	101616	98.449	ug/l	98
16) Acetone	4.17	43	96000	87.846	ug/l	98
17) Carbon Disulfide	4.40	76	298251	19.308	ug/l	98
18) Methyl Acetate	4.72	43	51090	20.787	ug/l	96
19) Methyl tert-butyl Ether	5.48	73	184346	19.187	ug/l	91
20) Methylene Chloride	4.97	84	112644	20.428	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	103632	19.785	ug/l	97
22) Diisopropyl ether	6.37	45	287420	19.927	ug/l	99
23) Vinyl Acetate	6.31	43	757325	95.241	ug/l	100
24) 1,1-Dichloroethane	6.27	63	178710	19.976	ug/l	98
25) 2-Butanone	7.23	43	123932	89.633	ug/l	99
26) 2,2-Dichloropropane	7.21	77	153345	19.755	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	110809	19.972	ug/l	98
28) Bromochloromethane	7.55	49	62421	18.807	ug/l	96
29) Tetrahydrofuran	7.57	42	81272	100.320	ug/l	98
30) Chloroform	7.71	83	176264	19.556	ug/l	98
31) Cyclohexane	7.98	56	163245	18.571	ug/l	96
32) 1,1,1-Trichloroethane	7.91	97	156814	19.445	ug/l	99
36) 1,1-Dichloropropene	8.12	75	141972	19.660	ug/l	100
37) Ethyl Acetate	7.30	43	57416	19.019	ug/l	97
38) Carbon Tetrachloride	8.10	117	141981	19.314	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	160554	18.912	ug/l	97
40) Benzene	8.36	78	409954	20.113	ug/l	98
41) Methacrylonitrile	7.53	41	31809	18.249	ug/l	95
42) 1,2-Dichloroethane	8.43	62	109502	19.542	ug/l	99
43) Isopropyl Acetate	8.46	43	104838	19.097	ug/l	98
44) Trichloroethene	9.11	130	113298	20.053	ug/l	100
45) 1,2-Dichloropropane	9.39	63	99053	19.543	ug/l	97
46) Dibromomethane	9.48	93	52395	20.092	ug/l	98
47) Bromodichloromethane	9.67	83	135570	19.727	ug/l	99
48) Methyl methacrylate	9.46	41	49563	19.532	ug/l	98
49) 1,4-Dioxane	9.47	88	11594	379.071	ug/l	97
51) 4-Methyl-2-Pentanone	10.24	43	268080	96.145	ug/l	99
52) Toluene	10.41	92	258928	20.523	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	123278	19.353	ug/l	100
54) cis-1,3-Dichloropropene	10.10	75	152137	19.778	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	73640	20.063	ug/l	97
56) Ethyl methacrylate	10.67	69	79212	18.697	ug/l	95
57) 1,3-Dichloropropane	10.95	76	125063	20.020	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	131395	98.375	ug/l	99
59) 2-Hexanone	10.99	43	188390	94.386	ug/l	99
60) Dibromochloromethane	11.15	129	92453	19.680	ug/l	99
61) 1,2-Dibromoethane	11.25	107	69721	20.062	ug/l	98
64) Tetrachloroethene	10.88	164	98106	20.454	ug/l	95
65) Chlorobenzene	11.68	112	269241	19.839	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	101143	19.971	ug/l	99
67) Ethyl Benzene	11.75	91	469862	19.768	ug/l	100
68) m/p-Xylenes	11.86	106	368903	40.566	ug/l	99
69) o-Xylene	12.19	106	161798	20.083	ug/l	99
70) Styrene	12.20	104	285790	19.979	ug/l	99
71) Bromoform	12.37	173	54495	19.391	ug/l #	98
73) Isopropylbenzene	12.48	105	442595	20.418	ug/l	99
74) N-amyl acetate	12.30	43	90410	18.770	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	77072	19.700	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	54466m	19.551	ug/l	
77) Bromobenzene	12.77	156	109339	20.313	ug/l	98
78) n-propylbenzene	12.83	91	538157	20.659	ug/l	100
79) 2-Chlorotoluene	12.91	91	294524	20.182	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	366617	20.534	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	24383	18.898	ug/l	95
82) 4-Chlorotoluene	13.01	91	319211	20.604	ug/l	99
83) tert-Butylbenzene	13.23	119	296223	19.796	ug/l	98
84) 1,2,4-Trimethylbenzene	13.28	105	367210	20.549	ug/l	99
85) sec-Butylbenzene	13.41	105	436591	20.248	ug/l	100
86) p-Isopropyltoluene	13.53	119	399316	20.251	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	209866	20.168	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	206241	20.081	ug/l	99
89) n-Butylbenzene	13.86	91	365979	20.142	ug/l	98
90) Hexachloroethane	14.12	117	79019	19.736	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	179915	20.136	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	11506	19.085	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	119292	20.411	ug/l	99
94) Hexachlorobutadiene	15.28	225	74594	19.896	ug/l	99
95) Naphthalene	15.41	128	188419	19.831	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	105758	20.719	ug/l	99

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

