

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041320\
 Data File : VD065617.D
 Acq On : 13 Apr 2020 15:20
 Operator : VA/SY
 Sample : VD0413SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0413SBS01

Manual Integrations
 APPROVED

MMDadoda
 4/14/2020 10:02:34 AM

Quant Time: Apr 14 02:38:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040920S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 10 01:39:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	488010	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	691901	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	635423	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	325295	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	205639	44.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.12%	
35) Dibromofluoromethane	7.92	113	217323	44.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.92%	
50) Toluene-d8	10.34	98	813944	46.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.22%	
62) 4-Bromofluorobenzene	12.64	95	264478	46.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	86666	19.694	ug/l	97
3) Chloromethane	2.21	50	102617	18.752	ug/l	99
4) Vinyl Chloride	2.35	62	98722	19.295	ug/l	97
5) Bromomethane	2.76	94	70526	19.545	ug/l	99
6) Chloroethane	2.92	64	62503	19.837	ug/l	99
7) Trichlorofluoromethane	3.27	101	153446	19.773	ug/l	97
8) Diethyl Ether	3.70	74	29493	18.395	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	102471	20.200	ug/l	99
10) Methyl Iodide	4.30	142	103421	19.839	ug/l	99
11) Tert butyl alcohol	5.25	59	21161	90.820	ug/l #	94
12) 1,1-Dichloroethene	4.06	96	91813	19.623	ug/l	98
13) Acrolein	3.93	56	22452	69.421	ug/l	98
14) Allyl chloride	4.71	41	137855	19.862	ug/l	99
15) Acrylonitrile	5.43	53	91571	96.849	ug/l	100
16) Acetone	4.17	43	80586	96.693	ug/l	95
17) Carbon Disulfide	4.40	76	305549	19.627	ug/l	99
18) Methyl Acetate	4.72	43	48237	19.719	ug/l	98
19) Methyl tert-butyl Ether	5.49	73	179099	19.801	ug/l	98
20) Methylene Chloride	4.96	84	108632	19.718	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	105811	19.926	ug/l	97
22) Diisopropyl ether	6.37	45	278611	20.884	ug/l	97
23) Vinyl Acetate	6.31	43	711947	100.868	ug/l	100
24) 1,1-Dichloroethane	6.26	63	176175	19.850	ug/l	98
25) 2-Butanone	7.23	43	109197	95.724	ug/l	96
26) 2,2-Dichloropropane	7.21	77	160245	20.175	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	109198	20.093	ug/l	99
28) Bromochloromethane	7.55	49	70359	19.751	ug/l	100
29) Tetrahydrofuran	7.57	42	69809	97.384	ug/l	97
30) Chloroform	7.71	83	182617	19.650	ug/l	100
31) Cyclohexane	7.99	56	162031	19.680	ug/l	92
32) 1,1,1-Trichloroethane	7.90	97	169200	20.146	ug/l	98
36) 1,1-Dichloropropene	8.11	75	143898	20.201	ug/l	100
37) Ethyl Acetate	7.30	43	54133	20.467	ug/l	98
38) Carbon Tetrachloride	8.10	117	154791	20.012	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	162974	20.211	ug/l	96
40) Benzene	8.36	78	406996	19.998	ug/l	99
41) Methacrylonitrile	7.53	41	24543	16.400	ug/l #	100
42) 1,2-Dichloroethane	8.43	62	110281	19.399	ug/l	99
43) Isopropyl Acetate	8.46	43	95883	19.870	ug/l	99
44) Trichloroethene	9.11	130	117119	20.022	ug/l	94
45) 1,2-Dichloropropane	9.39	63	98167	19.809	ug/l	100
46) Dibromomethane	9.48	93	52190	19.592	ug/l	98
47) Bromodichloromethane	9.67	83	137832	19.731	ug/l	99
48) Methyl methacrylate	9.46	41	44011	19.665	ug/l	98
49) 1,4-Dioxane	9.47	88	11110	393.809	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	254637	102.396	ug/l	99
52) Toluene	10.41	92	262464	20.396	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	123223	19.874	ug/l	96
54) cis-1,3-Dichloropropene	10.10	75	151541	19.962	ug/l	95
55) 1,1,2-Trichloroethane	10.80	97	73029	19.536	ug/l	99
56) Ethyl methacrylate	10.67	69	73559	18.721	ug/l	97
57) 1,3-Dichloropropane	10.95	76	120806	19.511	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	196831	99.414	ug/l	98
59) 2-Hexanone	10.99	43	165868	100.364	ug/l	98
60) Dibromochloromethane	11.14	129	99539	19.994	ug/l	100
61) 1,2-Dibromoethane	11.25	107	69539	19.570	ug/l	97
64) Tetrachloroethene	10.88	164	104218	20.620	ug/l	94
65) Chlorobenzene	11.67	112	275761	20.039	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	105135	20.055	ug/l	99
67) Ethyl Benzene	11.75	91	465396	20.480	ug/l	99
68) m/p-Xylenes	11.86	106	370879	41.369	ug/l	98
69) o-Xylene	12.18	106	160889	20.826	ug/l	98
70) Styrene	12.20	104	286809	20.999	ug/l	100
71) Bromoform	12.37	173	56186	19.110	ug/l #	98
73) Isopropylbenzene	12.48	105	445012	21.470	ug/l	98
74) N-amyl acetate	12.30	43	84921	19.944	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.74	83	74909	19.661	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	50867m	19.497	ug/l	
77) Bromobenzene	12.77	156	116215	20.452	ug/l	99
78) n-propylbenzene	12.83	91	535851	21.422	ug/l	99
79) 2-Chlorotoluene	12.91	91	303841	21.194	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	371252	21.252	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	23320	20.705	ug/l	96
82) 4-Chlorotoluene	13.01	91	321901	20.861	ug/l	100
83) tert-Butylbenzene	13.23	119	304631	20.855	ug/l	97
84) 1,2,4-Trimethylbenzene	13.28	105	374398	21.567	ug/l	100
85) sec-Butylbenzene	13.41	105	443892	21.356	ug/l	99
86) p-Isopropyltoluene	13.53	119	410909	21.422	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	222969	20.348	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	219544	20.060	ug/l	98
89) n-Butylbenzene	13.86	91	366095	21.149	ug/l	99
90) Hexachloroethane	14.12	117	83757	20.017	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	189868	20.367	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	11726	19.952	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	126267	20.621	ug/l	99
94) Hexachlorobutadiene	15.28	225	81516	19.152	ug/l	97
95) Naphthalene	15.41	128	166327	18.470	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	111183	20.976	ug/l	98

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

