

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061220\
 Data File : VD065790.D
 Acq On : 12 Jun 2020 12:23
 Operator : VA/SY
 Sample : VD0612SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0612SBS01

Quant Time: Jun 13 02:57:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060520S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 05 13:07:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	198953	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	317613	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	289684	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	149085	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	101629	51.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.40%	
35) Dibromofluoromethane	7.92	113	99882	49.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.58%	
50) Toluene-d8	10.34	98	384873	51.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.90%	
62) 4-Bromofluorobenzene	12.64	95	129907	51.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	35513	24.529	ug/l	97
3) Chloromethane	2.21	50	59421	23.638	ug/l	97
4) Vinyl Chloride	2.35	62	67868	23.121	ug/l	100
5) Bromomethane	2.76	94	46863	22.829	ug/l	97
6) Chloroethane	2.92	64	45075	22.711	ug/l	98
7) Trichlorofluoromethane	3.27	101	74646	22.446	ug/l	100
8) Diethyl Ether	3.71	74	17512	20.029	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.10	101	43888	22.132	ug/l	95
10) Methyl Iodide	4.30	142	38039	19.699	ug/l	98
11) Tert butyl alcohol	5.21	59	13561	102.001	ug/l #	85
12) 1,1-Dichloroethene	4.06	96	38565	21.337	ug/l	96
13) Acrolein	3.92	56	9719	88.016	ug/l	94
14) Allyl chloride	4.71	41	63153	21.141	ug/l	98
15) Acrylonitrile	5.42	53	39723	100.028	ug/l	97
16) Acetone	4.16	43	37535	101.217	ug/l	99
17) Carbon Disulfide	4.40	76	130125	21.451	ug/l	100
18) Methyl Acetate	4.71	43	17628	18.809	ug/l	99
19) Methyl tert-butyl Ether	5.47	73	81867	19.998	ug/l #	89
20) Methylene Chloride	4.96	84	49505	22.708	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	45238	21.372	ug/l	98
22) Diisopropyl ether	6.36	45	128131	21.228	ug/l	99
23) Vinyl Acetate	6.31	43	345255	101.297	ug/l	99
24) 1,1-Dichloroethane	6.27	63	76473	20.794	ug/l	99
25) 2-Butanone	7.22	43	49463	96.580	ug/l	99
26) 2,2-Dichloropropane	7.21	77	66808	20.488	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	47204	20.732	ug/l	97
28) Bromochloromethane	7.55	49	30140	21.220	ug/l	98
29) Tetrahydrofuran	7.56	42	31988	98.824	ug/l	96
30) Chloroform	7.71	83	80017	20.991	ug/l	95
31) Cyclohexane	7.98	56	72264	20.497	ug/l	93
32) 1,1,1-Trichloroethane	7.90	97	73628	21.006	ug/l	97
36) 1,1-Dichloropropene	8.11	75	63914	21.007	ug/l	100
37) Ethyl Acetate	7.30	43	22590	18.850	ug/l	97
38) Carbon Tetrachloride	8.10	117	68978	21.542	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	74759	20.753	ug/l	98
40) Benzene	8.35	78	171749	20.649	ug/l	99
41) Methacrylonitrile	7.53	41	10875m	15.240	ug/l	
42) 1,2-Dichloroethane	8.43	62	51159	20.385	ug/l	100
43) Isopropyl Acetate	8.46	43	44915	18.848	ug/l	98
44) Trichloroethene	9.11	130	47958	20.719	ug/l	94
45) 1,2-Dichloropropane	9.38	63	41918	20.057	ug/l	97
46) Dibromomethane	9.48	93	22091	19.490	ug/l	98
47) Bromodichloromethane	9.66	83	62198	20.478	ug/l	100
48) Methyl methacrylate	9.46	41	23215	20.126	ug/l	98
49) 1,4-Dioxane	9.47	88	4961	411.205	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	111284	95.300	ug/l	97
52) Toluene	10.40	92	113206	20.947	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	54934	19.973	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	65826	20.264	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	30433	20.094	ug/l	95
56) Ethyl methacrylate	10.67	69	34899	19.591	ug/l	97
57) 1,3-Dichloropropane	10.95	76	50793	19.358	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	79815	96.373	ug/l	98
59) 2-Hexanone	10.99	43	74274	94.344	ug/l	100
60) Dibromochloromethane	11.14	129	39753	19.430	ug/l	97
61) 1,2-Dibromoethane	11.25	107	28765	19.326	ug/l	99
64) Tetrachloroethene	10.88	164	40253	20.549	ug/l	93
65) Chlorobenzene	11.67	112	117250	20.733	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.74	131	43376	20.576	ug/l	97
67) Ethyl Benzene	11.75	91	210023	20.789	ug/l	99
68) m/p-Xylenes	11.86	106	161695	41.551	ug/l	99
69) o-Xylene	12.18	106	72996	20.804	ug/l	100
70) Styrene	12.20	104	126907	20.894	ug/l	99
71) Bromoform	12.36	173	22953	19.773	ug/l #	97
73) Isopropylbenzene	12.48	105	202946	20.304	ug/l	98
74) N-amyl acetate	12.29	43	41480	18.653	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	32136	19.037	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	25106m	21.653	ug/l	
77) Bromobenzene	12.76	156	47705	20.172	ug/l	98
78) n-propylbenzene	12.83	91	245961	20.442	ug/l	99
79) 2-Chlorotoluene	12.91	91	136088	20.618	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	174035	20.923	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.53	75	10456	19.485	ug/l	98
82) 4-Chlorotoluene	13.01	91	146239	20.641	ug/l	100
83) tert-Butylbenzene	13.23	119	146058	20.237	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	172600	20.731	ug/l	100
85) sec-Butylbenzene	13.41	105	208061	20.714	ug/l	99
86) p-Isopropyltoluene	13.52	119	190821	20.727	ug/l	97
87) 1,3-Dichlorobenzene	13.52	146	94207	20.203	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	94812	20.440	ug/l	97
89) n-Butylbenzene	13.85	91	184365	20.998	ug/l	99
90) Hexachloroethane	14.12	117	37490	20.345	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	80677	20.103	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	5285	18.812	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	53299	19.533	ug/l	99
94) Hexachlorobutadiene	15.27	225	31522	19.110	ug/l	96
95) Naphthalene	15.41	128	83408	18.046	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	45878	19.522	ug/l	99

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

