

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051519\
 Data File : VD062390.D
 Acq On : 15 May 2019 16:10
 Operator : FY/SY
 Sample : VD0515SBS01
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0515SBS01

Quant Time: May 16 03:57:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 14:26:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	646128	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.22	114	906070	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.37	117	676408	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.53	152	405912	50.00	ug/l	0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.46	65	320583	53.39	ug/l	0.04
Spiked Amount	50.000		Recovery	=	106.78%	
35) Dibromofluoromethane	6.93	113	373240	49.65	ug/l	0.04
Spiked Amount	50.000		Recovery	=	99.30%	
50) Toluene-d8	10.41	98	764401	42.17	ug/l	0.02
Spiked Amount	50.000		Recovery	=	84.34%	
62) 4-Bromofluorobenzene	13.56	95	334763	45.99	ug/l	0.02
Spiked Amount	50.000		Recovery	=	91.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	94547	15.300	ug/l	99
3) Chloromethane	1.74	50	67823	15.189	ug/l	98
4) Vinyl Chloride	1.84	62	71838	16.370	ug/l	98
5) Bromomethane	2.15	94	23607	22.958	ug/l	92
6) Chloroethane	2.24	64	35813	19.449	ug/l	100
7) Trichlorofluoromethane	2.52	101	177452	20.799	ug/l	99
8) Diethyl Ether	2.87	74	24882	15.122	ug/l	71
9) 1,1,2-Trichlorotrifluoroet	3.14	101	122269	18.945	ug/l	97
10) Methyl Iodide	3.30	142	127887	13.111	ug/l #	83
11) Tert butyl alcohol	4.07	59	29089	94.907	ug/l #	88
12) 1,1-Dichloroethene	3.12	96	82732	16.793	ug/l	84
13) Acrolein	3.03	56	23551	74.290	ug/l	96
14) Allyl chloride	3.62	41	135920	18.975	ug/l	85
15) Acrylonitrile	4.19	53	77514	96.217	ug/l	92
16) Acetone	3.22	43	137448	109.153	ug/l #	84
17) Carbon Disulfide	3.37	76	202328	14.276	ug/l	100
18) Methyl Acetate	3.64	43	45405	19.979	ug/l #	88
19) Methyl tert-butyl Ether	4.23	73	220304	20.862	ug/l	92
20) Methylene Chloride	3.81	84	96979	18.445	ug/l	98
21) trans-1,2-Dichloroethene	4.21	96	96959	17.686	ug/l	96
22) Diisopropyl ether	5.12	45	289620	19.000	ug/l #	95
23) Vinyl Acetate	5.06	43	847998	105.439	ug/l	96
24) 1,1-Dichloroethane	4.98	63	173515	18.869	ug/l	99
25) 2-Butanone	6.07	43	136241	99.192	ug/l #	90
26) 2,2-Dichloropropane	6.02	77	189786	20.719	ug/l	89
27) cis-1,2-Dichloroethene	6.04	96	107078	17.450	ug/l	97
28) Bromochloromethane	6.44	49	89227	24.663	ug/l	90
29) Tetrahydrofuran	6.47	42	64411	101.779	ug/l	93
30) Chloroform	6.67	83	220175	19.867	ug/l	95
31) Cyclohexane	6.96	56	109349	17.357	ug/l	97
32) 1,1,1-Trichloroethane	6.88	97	219342	20.940	ug/l	98
36) 1,1-Dichloropropene	7.14	75	141008	18.981	ug/l #	90
37) Ethyl Acetate	6.18	43	65072	20.654	ug/l	94
38) Carbon Tetrachloride	7.12	117	198736	19.328	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	110768	15.562	ug/l	93
40) Benzene	7.46	78	297221	17.718	ug/l	97
41) Methacrylonitrile	6.45	41	83017	21.563	ug/l #	83
42) 1,2-Dichloroethane	7.59	62	145698	20.499	ug/l	91
43) Isopropyl Acetate	9.24	43	84033	18.807	ug/l	91
44) Trichloroethene	8.54	130	107649	16.840	ug/l	79
45) 1,2-Dichloropropane	8.95	63	70693	17.037	ug/l	96
46) Dibromomethane	9.06	93	61767	18.305	ug/l	91
47) Bromodichloromethane	9.38	83	165482	20.050	ug/l	95
48) Methyl methacrylate	9.12	41	55049	20.002	ug/l #	84
49) 1,4-Dioxane	9.08	88	11140	375.152	ug/l	92
51) 4-Methyl-2-Pentanone	10.30	43	288862	100.574	ug/l	89
52) Toluene	10.52	92	193456	17.724	ug/l	100
53) t-1,3-Dichloropropene	10.91	75	132612	18.590	ug/l	100
54) cis-1,3-Dichloropropene	10.05	75	145259	18.666	ug/l #	89
55) 1,1,2-Trichloroethane	11.19	97	71781	18.587	ug/l	97
56) Ethyl methacrylate	11.05	69	69651	17.356	ug/l #	83
57) 1,3-Dichloropropane	11.42	76	108129	18.533	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.86	63	238299	108.709	ug/l	96
59) 2-Hexanone	11.53	43	213376	100.797	ug/l	93
60) Dibromochloromethane	11.69	129	121929	18.269	ug/l	98
61) 1,2-Dibromoethane	11.81	107	85644	18.241	ug/l	94
64) Tetrachloroethene	11.26	164	103863	19.637	ug/l	98
65) Chlorobenzene	12.40	112	239200	18.987	ug/l	95
66) 1,1,1,2-Tetrachloroethane	12.52	131	111975	20.422	ug/l	96
67) Ethyl Benzene	12.53	91	445792	21.136	ug/l	94
68) m/p-Xylenes	12.68	106	313692	40.880	ug/l	90
69) o-Xylene	13.05	106	147999	20.746	ug/l	81
70) Styrene	13.08	104	242301	20.050	ug/l	97
71) Bromoform	13.24	173	77501	20.316	ug/l #	96
73) Isopropylbenzene	13.40	105	483444	19.869	ug/l	94
74) N-amyl acetate	13.27	43	112238	17.594	ug/l	94
75) 1,1,2,2-Tetrachloroethane	13.70	83	84849	18.420	ug/l	95
76) 1,2,3-Trichloropropane	13.74	75	90660	18.794	ug/l	97
77) Bromobenzene	13.67	156	123365	18.112	ug/l	82
78) n-propylbenzene	13.78	91	551990	19.018	ug/l	94
79) 2-Chlorotoluene	13.85	91	308407	18.553	ug/l	90
80) 1,3,5-Trimethylbenzene	13.94	105	383143	18.700	ug/l	90
81) trans-1,4-Dichloro-2-buten	13.47	75	23685	17.392	ug/l #	67
82) 4-Chlorotoluene	13.95	91	380819	19.468	ug/l	89
83) tert-Butylbenzene	14.19	119	443626	19.263	ug/l	89
84) 1,2,4-Trimethylbenzene	14.24	105	397984	19.356	ug/l	88
85) sec-Butylbenzene	14.37	105	496041	19.645	ug/l	95
86) p-Isopropyltoluene	14.50	119	392845	17.414	ug/l	92
87) 1,3-Dichlorobenzene	14.46	146	228644	18.376	ug/l	98
88) 1,4-Dichlorobenzene	14.55	146	219582	17.961	ug/l	96
89) n-Butylbenzene	14.80	91	390469	19.284	ug/l	93
90) Hexachloroethane	15.01	117	113481	18.497	ug/l	97
91) 1,2-Dichlorobenzene	14.81	146	194467	18.977	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.38	75	13549	17.919	ug/l	73

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	149803	20.085	ug/l	92
94) Hexachlorobutadiene	16.04	225	111699	20.135	ug/l	96
95) Naphthalene	16.13	128	191196	18.361	ug/l	99
96) 1,2,3-Trichlorobenzene	16.28	180	113278	24.156	ug/l	96

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

