

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050619\
 Data File : VD062127.D
 Acq On : 6 May 2019 13:30
 Operator : FY/SY
 Sample : VD0506SBS01
 Misc : 5.00µg/5mL/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0506SBS01

Quant Time: May 07 05:31:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 02 07:55:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	406690	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.21	114	647328	50.00	ug/l	-0.01
63) Chlorobenzene-d5	12.37	117	513678	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	272671	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	201433	63.28	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	126.56%	
35) Dibromofluoromethane	6.92	113	280843	62.73	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	125.46%	
50) Toluene-d8	10.41	98	641421	60.21	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	120.42%	
62) 4-Bromofluorobenzene	13.56	95	274137	64.16	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	128.32%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.74	50	5145	1.667	ug/l	91
4) Vinyl Chloride	1.84	62	5927	2.119	ug/l	90
5) Bromomethane	2.14	94	7889	8.811	ug/l #	93
6) Chloroethane	2.25	64	7901	7.813	ug/l	99
7) Trichlorofluoromethane	2.52	101	55325	13.080	ug/l	89
8) Diethyl Ether	2.87	74	21625	19.076	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.14	101	66887	17.166	ug/l	94
10) Methyl Iodide	3.30	142	40148	11.457	ug/l	93
11) Tert butyl alcohol	4.06	59	25505	141.820	ug/l	98
12) 1,1-Dichloroethene	3.12	96	47704	14.390	ug/l	96
13) Acrolein	3.03	56	15592	83.560	ug/l	100
14) Allyl chloride	3.62	41	82585	18.244	ug/l	96
15) Acrylonitrile	4.19	53	60118	107.954	ug/l #	87
16) Acetone	3.21	43	85835	112.940	ug/l	96
17) Carbon Disulfide	3.37	76	61817	6.453	ug/l	97
18) Methyl Acetate	3.64	43	34648	24.014	ug/l	97
19) Methyl tert-butyl Ether	4.24	73	148320	22.550	ug/l	100
20) Methylene Chloride	3.81	84	73702	17.871	ug/l	95
21) trans-1,2-Dichloroethene	4.22	96	65957	17.344	ug/l	92
22) Diisopropyl ether	5.11	45	222982	21.099	ug/l	98
23) Vinyl Acetate	5.05	43	575958	104.651	ug/l	97
24) 1,1-Dichloroethane	4.98	63	130335	20.404	ug/l	98
25) 2-Butanone	6.06	43	99599	108.090	ug/l	100
26) 2,2-Dichloropropane	6.02	77	128222	23.010	ug/l	92
27) cis-1,2-Dichloroethene	6.03	96	89044	20.583	ug/l	95
28) Bromochloromethane	6.43	49	62475	25.562	ug/l	99
29) Tetrahydrofuran	6.45	42	45563	100.355	ug/l	96
30) Chloroform	6.66	83	158579	21.857	ug/l	99
31) Cyclohexane	6.95	56	61716	13.017	ug/l	91
32) 1,1,1-Trichloroethane	6.87	97	140726	22.293	ug/l	96
36) 1,1-Dichloropropene	7.14	75	107059	21.228	ug/l	96
37) Ethyl Acetate	6.18	43	44546	20.727	ug/l #	94
38) Carbon Tetrachloride	7.11	117	142731	22.334	ug/l	99
39) Methylcyclohexane	8.86	83	87632	17.611	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	7.45	78	246057	19.707	ug/l	97
41) Methacrylonitrile	6.44	41	56968	22.718	ug/l #	92
42) 1,2-Dichloroethane	7.57	62	97226	22.934	ug/l	94
43) Isopropyl Acetate	9.24	43	64607	20.574	ug/l	97
44) Trichloroethene	8.54	130	104749	21.640	ug/l	96
45) 1,2-Dichloropropane	8.93	63	63097	19.920	ug/l	90
46) Dibromomethane	9.06	93	48062	21.087	ug/l	91
47) Bromodichloromethane	9.37	83	124052	23.035	ug/l #	93
48) Methyl methacrylate	9.12	41	40904	22.830	ug/l	98
49) 1,4-Dioxane	9.09	88	8255	427.357	ug/l #	92
51) 4-Methyl-2-Pentanone	10.30	43	226753	118.074	ug/l	96
52) Toluene	10.51	92	172795	21.705	ug/l	96
53) t-1,3-Dichloropropene	10.91	75	107251	23.726	ug/l	98
54) cis-1,3-Dichloropropene	10.03	75	120461	21.910	ug/l	97
55) 1,1,2-Trichloroethane	11.19	97	64794	24.243	ug/l	97
56) Ethyl methacrylate	11.04	69	69807	23.582	ug/l	96
57) 1,3-Dichloropropane	11.40	76	93902	22.748	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.86	63	216632	157.408	ug/l	97
59) 2-Hexanone	11.53	43	160399	111.342	ug/l	100
60) Dibromochloromethane	11.69	129	111442	25.200	ug/l	98
61) 1,2-Dibromoethane	11.81	107	74092	23.369	ug/l	100
64) Tetrachloroethene	11.25	164	85043	23.208	ug/l	97
65) Chlorobenzene	12.40	112	238167	24.536	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.51	131	106116	25.773	ug/l	95
67) Ethyl Benzene	12.52	91	381046	24.051	ug/l	100
68) m/p-Xylenes	12.66	106	282049	49.257	ug/l	93
69) o-Xylene	13.05	106	138748	26.483	ug/l	93
70) Stvrene	13.07	104	236092	26.098	ug/l	98
71) Bromoform	13.23	173	63463	27.036	ug/l #	98
73) Isopropylbenzene	13.40	105	402722	22.141	ug/l	99
74) N-amyl acetate	13.26	43	98075	20.937	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.70	83	80185	22.496	ug/l	96
76) 1,2,3-Trichloropropane	13.74	75	79441	22.943	ug/l	97
77) Bromobenzene	13.67	156	116502	22.328	ug/l	92
78) n-propylbenzene	13.77	91	475119	22.818	ug/l	99
79) 2-Chlorotoluene	13.84	91	273809	21.710	ug/l	94
80) 1,3,5-Trimethylbenzene	13.93	105	328001	22.616	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.47	75	22893	21.818	ug/l	89
82) 4-Chlorotoluene	13.94	91	311134	22.400	ug/l	89
83) tert-Butylbenzene	14.19	119	379141	22.566	ug/l	99
84) 1,2,4-Trimethylbenzene	14.24	105	319064	23.040	ug/l	97
85) sec-Butylbenzene	14.37	105	452291	24.914	ug/l	99
86) p-Isopropyltoluene	14.49	119	381004	23.450	ug/l	98
87) 1,3-Dichlorobenzene	14.45	146	202494	22.161	ug/l	98
88) 1,4-Dichlorobenzene	14.53	146	203946	23.867	ug/l	96
89) n-Butylbenzene	14.80	91	352554	24.170	ug/l	98
90) Hexachloroethane	15.01	117	106563	24.256	ug/l	96
91) 1,2-Dichlorobenzene	14.81	146	185914	24.666	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.38	75	10595	21.695	ug/l	94
93) 1,2,4-Trichlorobenzene	15.94	180	110296	27.121	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	16.04	225	82207	27.315	ug/l	99
95) Naphthalene	16.12	128	148558	22.624	ug/l	100
96) 1,2,3-Trichlorobenzene	16.27	180	64008	27.740	ug/l	97

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

