

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050619\
 Data File : VD062134.D
 Acq On : 6 May 2019 16:55
 Operator : FY/SY
 Sample : VD0506SBS01
 Misc : 5.00µ/5mL/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0506SBS01

Quant Time: May 07 05:10:43 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	7.03	168	416062	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.21	114	646685	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.36	117	610741	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	310106	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	175246	53.82	ug/l	-0.01
Spiked Amount			Recovery	=	107.64%	
35) Dibromofluoromethane	6.91	113	252111	56.37	ug/l	-0.02
Spiked Amount			Recovery	=	112.74%	
50) Toluene-d8	10.39	98	546483	51.35	ug/l	-0.02
Spiked Amount			Recovery	=	102.70%	
62) 4-Bromofluorobenzene	13.54	95	258389	60.53	ug/l	-0.02
Spiked Amount			Recovery	=	121.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.73	50	4117	1.304	ug/l #	79
4) Vinyl Chloride	1.83	62	5751	2.009	ug/l #	84
5) Bromomethane	2.13	94	6016	6.390	ug/l #	94
6) Chloroethane	2.24	64	6159	5.953	ug/l	96
7) Trichlorofluoromethane	2.51	101	49076	11.341	ug/l	98
8) Diethyl Ether	2.86	74	18220	15.710	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.14	101	58362	14.641	ug/l	94
10) Methyl Iodide	3.29	142	44244	11.923	ug/l	99
11) Tert butyl alcohol	4.05	59	23008	125.054	ug/l #	92
12) 1,1-Dichloroethene	3.11	96	41155	12.135	ug/l	95
13) Acrolein	3.02	56	15275	80.017	ug/l	93
14) Allyl chloride	3.60	41	67113	14.492	ug/l	95
15) Acrylonitrile	4.18	53	62437	109.593	ug/l	96
16) Acetone	3.21	43	88371	113.658	ug/l	93
17) Carbon Disulfide	3.36	76	52800	5.388	ug/l	100
18) Methyl Acetate	3.62	43	30709	20.502	ug/l	97
19) Methyl tert-butyl Ether	4.22	73	138576	20.594	ug/l	96
20) Methylene Chloride	3.80	84	66866	15.463	ug/l	96
21) trans-1,2-Dichloroethene	4.20	96	56916	14.630	ug/l	95
22) Diisopropyl ether	5.10	45	199366	18.440	ug/l	97
23) Vinyl Acetate	5.03	43	541190	96.118	ug/l	99
24) 1,1-Dichloroethane	4.96	63	113962	17.439	ug/l	97
25) 2-Butanone	6.05	43	105369	111.776	ug/l	95
26) 2,2-Dichloropropane	6.00	77	114512	20.087	ug/l	94
27) cis-1,2-Dichloroethene	6.02	96	81534	18.422	ug/l	95
28) Bromochloromethane	6.42	49	53860	21.541	ug/l	91
29) Tetrahydrofuran	6.45	42	44768	96.382	ug/l	96
30) Chloroform	6.64	83	151456	20.405	ug/l	92
31) Cyclohexane	6.94	56	59991	12.368	ug/l	98
32) 1,1,1-Trichloroethane	6.85	97	123456	19.116	ug/l	94
36) 1,1-Dichloropropene	7.13	75	92074	18.275	ug/l	98
37) Ethyl Acetate	6.16	43	48247	22.472	ug/l	95
38) Carbon Tetrachloride	7.10	117	121692	19.061	ug/l	97
39) Methylcyclohexane	8.85	83	75122	15.112	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	7.44	78	215270	17.258	ug/l	97
41) Methacrylonitrile	6.44	41	56050	22.374	ug/l #	88
42) 1,2-Dichloroethane	7.56	62	93412	22.056	ug/l	94
43) Isopropyl Acetate	9.22	43	65647	20.926	ug/l	98
44) Trichloroethene	8.52	130	93498	19.335	ug/l	92
45) 1,2-Dichloropropane	8.93	63	61818	19.536	ug/l	96
46) Dibromomethane	9.05	93	47849	21.015	ug/l	96
47) Bromodichloromethane	9.36	83	118976	22.114	ug/l	98
48) Methyl methacrylate	9.10	41	36857	20.592	ug/l	94
49) 1,4-Dioxane	9.07	88	8722	451.982	ug/l	93
51) 4-Methyl-2-Pentanone	10.29	43	238817	124.479	ug/l	99
52) Toluene	10.49	92	163344	20.538	ug/l	97
53) t-1,3-Dichloropropene	10.91	75	110104	24.382	ug/l	97
54) cis-1,3-Dichloropropene	10.02	75	120041	21.856	ug/l	97
55) 1,1,2-Trichloroethane	11.18	97	66179	24.786	ug/l	98
56) Ethyl methacrylate	11.02	69	66542	22.502	ug/l	97
57) 1,3-Dichloropropane	11.40	76	95958	23.269	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.84	63	203861	148.276	ug/l	99
59) 2-Hexanone	11.52	43	191609	133.139	ug/l	97
60) Dibromochloromethane	11.67	129	108270	24.507	ug/l	97
61) 1,2-Dibromoethane	11.80	107	74525	23.529	ug/l	98
64) Tetrachloroethene	11.24	164	80130	18.392	ug/l	97
65) Chlorobenzene	12.39	112	242738	21.033	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.50	131	109646	22.398	ug/l	96
67) Ethyl Benzene	12.51	91	415855	22.077	ug/l	98
68) m/p-Xylenes	12.66	106	280932	41.264	ug/l	98
69) o-Xylene	13.04	106	123821	19.877	ug/l	95
70) Stvrene	13.06	104	239559	22.272	ug/l	98
71) Bromoform	13.23	173	66044	23.664	ug/l	98
73) Isopropylbenzene	13.40	105	382320	18.482	ug/l	97
74) N-amyl acetate	13.26	43	108480	20.362	ug/l	95
75) 1,1,2,2-Tetrachloroethane	13.69	83	81763	20.170	ug/l	98
76) 1,2,3-Trichloropropane	13.72	75	84260	21.397	ug/l	97
77) Bromobenzene	13.66	156	112608	18.976	ug/l	96
78) n-propylbenzene	13.77	91	476665	20.129	ug/l	97
79) 2-Chlorotoluene	13.83	91	245436	17.111	ug/l	97
80) 1,3,5-Trimethylbenzene	13.93	105	321097	19.467	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.47	75	25144	21.070	ug/l	98
82) 4-Chlorotoluene	13.94	91	301745	19.102	ug/l	90
83) tert-Butylbenzene	14.18	119	354198	18.537	ug/l	98
84) 1,2,4-Trimethylbenzene	14.23	105	310090	19.689	ug/l	99
85) sec-Butylbenzene	14.36	105	401156	19.430	ug/l	100
86) p-Isopropyltoluene	14.49	119	371877	20.126	ug/l	99
87) 1,3-Dichlorobenzene	14.45	146	213847	20.578	ug/l	98
88) 1,4-Dichlorobenzene	14.53	146	204554	21.048	ug/l	97
89) n-Butylbenzene	14.79	91	337412	20.340	ug/l	97
90) Hexachloroethane	15.00	117	94605	18.934	ug/l	99
91) 1,2-Dichlorobenzene	14.80	146	167494	19.539	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.38	75	11808	21.313	ug/l	100
93) 1,2,4-Trichlorobenzene	15.94	180	103600	22.399	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	16.03	225	79564	23.245	µg/l	99
95) Naphthalene	16.11	128	187284	25.079	µg/l	99
96) 1,2,3-Trichlorobenzene	16.26	180	73426	27.980	µg/l	98

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

