

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060419\
 Data File : VD062609.D
 Acq On : 4 Jun 2019 20:15
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00µ/5mL/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jun 05 04:42:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D053019S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 31 02:08:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	637443	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.21	114	842041	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.37	117	718463	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.51	152	402325	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	505754	67.67	ug/l	-0.03
Spiked Amount			Recovery	=	135.34%	
35) Dibromofluoromethane	6.92	113	489577	63.80	ug/l	-0.02
Spiked Amount			Recovery	=	127.60%	
50) Toluene-d8	10.41	98	984237	58.54	ug/l	-0.02
Spiked Amount			Recovery	=	117.08%	
62) 4-Bromofluorobenzene	13.55	95	490565	64.70	ug/l	-0.02
Spiked Amount			Recovery	=	129.40%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	398879	53.952	ug/l	87
3) Chloromethane	1.74	50	324806	45.557	ug/l	91
4) Vinyl Chloride	1.85	62	318258	56.354	ug/l	99
5) Bromomethane	2.15	94	177901	97.004	ug/l	93
6) Chloroethane	2.27	64	179123	67.638	ug/l	95
7) Trichlorofluoromethane	2.53	101	797723	66.841	ug/l	96
8) Diethyl Ether	2.87	74	107841	70.439	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.14	101	413435	58.662	ug/l	95
10) Methyl Iodide	3.30	142	514155	64.294	ug/l	93
11) Tert butyl alcohol	4.08	59	102418	321.268	ug/l #	75
12) 1,1-Dichloroethene	3.12	96	307614	61.699	ug/l	91
13) Acrolein	3.03	56	26144	188.216	ug/l	96
14) Allyl chloride	3.61	41	428778	55.056	ug/l #	83
15) Acrylonitrile	4.19	53	223785	293.647	ug/l	96
16) Acetone	3.22	43	435681	296.678	ug/l	93
17) Carbon Disulfide	3.37	76	846123	52.209	ug/l	99
18) Methyl Acetate	3.63	43	135099	56.364	ug/l	96
19) Methyl tert-butyl Ether	4.23	73	737455	61.060	ug/l	100
20) Methylene Chloride	3.81	84	294635	54.199	ug/l	96
21) trans-1,2-Dichloroethene	4.21	96	315422	55.749	ug/l	94
22) Diisopropyl ether	5.12	45	948764	59.633	ug/l	97
23) Vinyl Acetate	5.05	43	2972971	308.127	ug/l	97
24) 1,1-Dichloroethane	4.97	63	612575	59.663	ug/l	99
25) 2-Butanone	6.07	43	399392	288.774	ug/l	97
26) 2,2-Dichloropropane	6.02	77	689199	60.507	ug/l	97
27) cis-1,2-Dichloroethene	6.03	96	343510	59.065	ug/l	99
28) Bromochloromethane	6.43	49	173422	48.881	ug/l	99
29) Tetrahydrofuran	6.45	42	191686	309.401	ug/l	98
30) Chloroform	6.66	83	809673	65.444	ug/l	92
31) Cyclohexane	6.94	56	360543	51.939	ug/l	96
32) 1,1,1-Trichloroethane	6.86	97	839007	65.161	ug/l	93
36) 1,1-Dichloropropene	7.14	75	495929	59.164	ug/l	92
37) Ethyl Acetate	6.18	43	197118	55.780	ug/l	95
38) Carbon Tetrachloride	7.11	117	869906m	69.706	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	421741	59.428	ug/l	96
40) Benzene	7.44	78	984984	59.871	ug/l	100
41) Methacrylonitrile	6.44	41	272525	65.534	ug/l #	96
42) 1,2-Dichloroethane	7.57	62	613337	66.929	ug/l	96
43) Isopropyl Acetate	9.24	43	276438	62.851	ug/l #	99
44) Trichloroethene	8.54	130	389863	59.318	ug/l	92
45) 1,2-Dichloropropane	8.93	63	241777	59.944	ug/l	99
46) Dibromomethane	9.06	93	228331	67.396	ug/l	96
47) Bromodichloromethane	9.37	83	608264	65.162	ug/l	99
48) Methyl methacrylate	9.12	41	197729	67.498	ug/l	95
49) 1,4-Dioxane	9.07	88	30673	1289.100	ug/l	96
51) 4-Methyl-2-Pentanone	10.30	43	989140	322.348	ug/l	100
52) Toluene	10.51	92	661818	58.983	ug/l	98
53) t-1,3-Dichloropropene	10.91	75	506190	64.182	ug/l	99
54) cis-1,3-Dichloropropene	10.03	75	513342	62.606	ug/l	96
55) 1,1,2-Trichloroethane	11.18	97	228915	62.134	ug/l	96
56) Ethyl methacrylate	11.04	69	256792	65.394	ug/l	96
57) 1,3-Dichloropropane	11.40	76	344438	60.646	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.86	63	599555	297.702	ug/l	98
59) 2-Hexanone	11.53	43	693889	322.387	ug/l	99
60) Dibromochloromethane	11.68	129	480162	67.065	ug/l	94
61) 1,2-Dibromoethane	11.80	107	290418	65.528	ug/l	99
64) Tetrachloroethene	11.25	164	363788	57.279	ug/l	97
65) Chlorobenzene	12.40	112	851815	60.859	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	418411	63.211	ug/l	95
67) Ethyl Benzene	12.52	91	1509072	58.847	ug/l	99
68) m/p-Xylenes	12.66	106	1073781	121.045	ug/l	93
69) o-Xylene	13.04	106	495869	58.597	ug/l	85
70) Styrene	13.06	104	830825	57.823	ug/l	91
71) Bromoform	13.23	173	299923	64.546	ug/l	92
73) Isopropylbenzene	13.40	105	1562662	58.916	ug/l	100
74) N-amyl acetate	13.26	43	404375	59.793	ug/l	94
75) 1,1,2,2-Tetrachloroethane	13.69	83	267646	63.626	ug/l	99
76) 1,2,3-Trichloropropane	13.72	75	305567	63.307	ug/l	99
77) Bromobenzene	13.67	156	434619	59.764	ug/l	88
78) n-propylbenzene	13.77	91	1884057	61.626	ug/l	97
79) 2-Chlorotoluene	13.83	91	1057079	59.631	ug/l	93
80) 1,3,5-Trimethylbenzene	13.93	105	1265689	55.845	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.47	75	74573	53.919	ug/l #	77
82) 4-Chlorotoluene	13.94	91	1240200	58.439	ug/l	90
83) tert-Butylbenzene	14.19	119	1442934	57.056	ug/l	99
84) 1,2,4-Trimethylbenzene	14.24	105	1286125	55.689	ug/l	98
85) sec-Butylbenzene	14.36	105	1584809	59.156	ug/l	97
86) p-Isopropyltoluene	14.49	119	1471427	58.787	ug/l	99
87) 1,3-Dichlorobenzene	14.45	146	809549	64.219	ug/l	95
88) 1,4-Dichlorobenzene	14.53	146	774948	61.344	ug/l	97
89) n-Butylbenzene	14.80	91	1319007	59.033	ug/l	97
90) Hexachloroethane	15.00	117	418319	62.996	ug/l	83
91) 1,2-Dichlorobenzene	14.81	146	672647	63.429	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.38	75	56738	65.048	ug/l	80

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	497809	58.708	ug/l	97
94) Hexachlorobutadiene	16.04	225	381943	61.016	ug/l	98
95) Naphthalene	16.12	128	727747	63.020	ug/l	100
96) 1,2,3-Trichlorobenzene	16.26	180	368520	58.180	ug/l	96

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

