

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD053119\
 Data File : VD062578.D
 Acq On : 31 May 2019 21:46
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jun 01 00:26:14 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	7.06	168	769396	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	982310	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	810150	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	452396	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.46	65	510392	56.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.16%	
35) Dibromofluoromethane	6.94	113	511052	57.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.18%	
50) Toluene-d8	10.42	98	1058651	53.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.96%	
62) 4-Bromofluorobenzene	13.56	95	504100	56.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	406619	45.567	ug/l	91
3) Chloromethane	1.75	50	334681	38.256	ug/l	96
4) Vinyl Chloride	1.85	62	330852	48.537	ug/l	98
5) Bromomethane	2.15	94	187621	84.758	ug/l	93
6) Chloroethane	2.27	64	165255	51.699	ug/l #	88
7) Trichlorofluoromethane	2.54	101	777565	53.978	ug/l	98
8) Diethyl Ether	2.88	74	98457	53.280	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.15	101	432670	50.863	ug/l	92
10) Methyl Iodide	3.31	142	430549	44.606	ug/l	94
11) Tert butyl alcohol	4.08	59	93814	243.809	ug/l #	91
12) 1,1-Dichloroethene	3.14	96	312151	51.872	ug/l	97
13) Acrolein	3.04	56	38451	229.342	ug/l	92
14) Allyl chloride	3.63	41	470851	50.090	ug/l	96
15) Acrylonitrile	4.21	53	234759	255.216	ug/l	96
16) Acetone	3.23	43	425194	239.881	ug/l #	90
17) Carbon Disulfide	3.38	76	926254	47.352	ug/l	98
18) Methyl Acetate	3.65	43	141756	48.999	ug/l	99
19) Methyl tert-butyl Ether	4.24	73	756331	51.883	ug/l	100
20) Methylene Chloride	3.82	84	302422	46.091	ug/l	97
21) trans-1,2-Dichloroethene	4.23	96	348997	51.104	ug/l	96
22) Diisopropyl ether	5.14	45	994161	51.770	ug/l	96
23) Vinyl Acetate	5.07	43	2962504	254.384	ug/l #	95
24) 1,1-Dichloroethane	4.99	63	625391	50.465	ug/l	97
25) 2-Butanone	6.08	43	416347	249.406	ug/l	95
26) 2,2-Dichloropropane	6.03	77	684695	49.803	ug/l	98
27) cis-1,2-Dichloroethene	6.05	96	359208	51.171	ug/l	91
28) Bromochloromethane	6.45	49	224195	52.355	ug/l	98
29) Tetrahydrofuran	6.47	42	197253	263.783	ug/l	97
30) Chloroform	6.67	83	782899	52.427	ug/l	97
31) Cyclohexane	6.97	56	419123	50.023	ug/l	93
32) 1,1,1-Trichloroethane	6.88	97	847369	54.524	ug/l	97
36) 1,1-Dichloropropene	7.15	75	545237	55.758	ug/l	92
37) Ethyl Acetate	6.20	43	205699	49.896	ug/l #	95
38) Carbon Tetrachloride	7.13	117	888302m	61.016	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	470129	56.786	ug/l	96
40) Benzene	7.46	78	1068689	55.683	ug/l	97
41) Methacrylonitrile	6.46	41	276372	56.969	ug/l	97
42) 1,2-Dichloroethane	7.59	62	596223	55.771	ug/l	95
43) Isopropyl Acetate	9.25	43	288111	56.152	ug/l #	98
44) Trichloroethene	8.55	130	414617	54.076	ug/l	99
45) 1,2-Dichloropropane	8.95	63	252671	53.699	ug/l	95
46) Dibromomethane	9.06	93	225399	57.030	ug/l	97
47) Bromodichloromethane	9.39	83	641525	58.911	ug/l	99
48) Methyl methacrylate	9.13	41	209791	61.389	ug/l	98
49) 1,4-Dioxane	9.08	88	32891	1184.929	ug/l	98
51) 4-Methyl-2-Pentanone	10.31	43	1001869	279.874	ug/l	99
52) Toluene	10.51	92	723990	55.310	ug/l	99
53) t-1,3-Dichloropropene	10.92	75	514774	55.950	ug/l	99
54) cis-1,3-Dichloropropene	10.05	75	534471	55.875	ug/l	97
55) 1,1,2-Trichloroethane	11.20	97	234615	54.588	ug/l	91
56) Ethyl methacrylate	11.05	69	264268	57.688	ug/l	92
57) 1,3-Dichloropropane	11.42	76	400184	60.399	ug/l	90
58) 2-Chloroethyl Vinyl ether	9.86	63	634150	269.916	ug/l	97
59) 2-Hexanone	11.54	43	732210	291.614	ug/l	98
60) Dibromochloromethane	11.69	129	478734	57.318	ug/l	95
61) 1,2-Dibromoethane	11.81	107	288347	55.770	ug/l	95
64) Tetrachloroethene	11.26	164	372471	52.009	ug/l	97
65) Chlorobenzene	12.40	112	860354	54.513	ug/l	96
66) 1,1,1,2-Tetrachloroethane	12.52	131	420681	56.361	ug/l	95
67) Ethyl Benzene	12.53	91	1596145	55.199	ug/l	98
68) m/p-Xylenes	12.68	106	1087393	108.707	ug/l	100
69) o-Xylene	13.05	106	494807	51.854	ug/l	82
70) Styrene	13.08	104	866670	53.491	ug/l	99
71) Bromoform	13.24	173	300771	57.403	ug/l #	94
73) Isopropylbenzene	13.41	105	1609289	53.958	ug/l	98
74) N-amyl acetate	13.27	43	448178	58.935	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.70	83	275400	58.224	ug/l	93
76) 1,2,3-Trichloropropane	13.74	75	306971	56.559	ug/l	98
77) Bromobenzene	13.67	156	457535	55.951	ug/l	79
78) n-propylbenzene	13.78	91	1866278	54.288	ug/l	98
79) 2-Chlorotoluene	13.85	91	1122151	56.296	ug/l	99
80) 1,3,5-Trimethylbenzene	13.94	105	1369941	53.755	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.47	75	77306	49.708	ug/l #	84
82) 4-Chlorotoluene	13.95	91	1372666	57.522	ug/l	91
83) tert-Butylbenzene	14.19	119	1446915	50.881	ug/l	100
84) 1,2,4-Trimethylbenzene	14.24	105	1335521	51.427	ug/l	99
85) sec-Butylbenzene	14.37	105	1610459	53.460	ug/l	98
86) p-Isopropyltoluene	14.50	119	1637191	58.171	ug/l	97
87) 1,3-Dichlorobenzene	14.46	146	835741	58.959	ug/l	97
88) 1,4-Dichlorobenzene	14.54	146	740924	52.159	ug/l	97
89) n-Butylbenzene	14.80	91	1350096	53.737	ug/l	96
90) Hexachloroethane	15.01	117	422869	56.633	ug/l	83
91) 1,2-Dichlorobenzene	14.81	146	638892	53.578	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.38	75	60815	62.005	ug/l	80

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	512235	53.723	ug/l	94
94) Hexachlorobutadiene	16.04	225	389614	55.353	ug/l	97
95) Naphthalene	16.12	128	689891	53.129	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	356265	50.020	ug/l	95

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

