

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040319\
 Data File : VD061555.D
 Acq On : 3 Apr 2019 14:37
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 4/4/2019 9:36:01 AM

Quant Time: Apr 04 02:22:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:22:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	659465	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.22	114	1075152	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.38	117	845790	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	398838	50.00	ug/l	0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.47	65	283255	50.28	ug/l	0.03
Spiked Amount	50.000		Recovery	=	100.56%	
35) Dibromofluoromethane	6.93	113	431962	52.57	ug/l	0.03
Spiked Amount	50.000		Recovery	=	105.14%	
50) Toluene-d8	10.42	98	1058901	53.74	ug/l	0.03
Spiked Amount	50.000		Recovery	=	107.48%	
62) 4-Bromofluorobenzene	13.56	95	432050	57.17	ug/l	0.01
Spiked Amount	50.000		Recovery	=	114.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.59	85	332190	47.167	ug/l	100
3) Chloromethane	1.77	50	269145	46.858	ug/l	98
4) Vinyl Chloride	1.86	62	259071	49.124	ug/l	96
5) Bromomethane	2.16	94	53862	51.504	ug/l	99
6) Chloroethane	2.28	64	88995	57.544	ug/l	97
7) Trichlorofluoromethane	2.54	101	412041	53.729	ug/l	99
8) Diethyl Ether	2.89	74	125945	51.008	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.16	101	418756	50.791	ug/l	97
10) Methyl Iodide	3.32	142	551837	44.442	ug/l	98
11) Tert butyl alcohol	4.07	59	92059	262.403	ug/l	97
12) 1,1-Dichloroethene	3.14	96	353429	49.930	ug/l	97
13) Acrolein	3.04	56	75306	284.926	ug/l	97
14) Allyl chloride	3.64	41	483507	48.973	ug/l	97
15) Acrylonitrile	4.21	53	302527	248.448	ug/l	98
16) Acetone	3.23	43	437913	302.392	ug/l	96
17) Carbon Disulfide	3.39	76	965197	41.968	ug/l	99
18) Methyl Acetate	3.65	43	154075	50.602	ug/l	95
19) Methyl tert-butyl Ether	4.25	73	591393	48.266	ug/l	96
20) Methylene Chloride	3.83	84	384041	47.233	ug/l	98
21) trans-1,2-Dichloroethene	4.23	96	367264	48.057	ug/l	99
22) Diisopropyl ether	5.12	45	1032646	49.427	ug/l	91
23) Vinyl Acetate	5.06	43	2832305	249.572	ug/l	99
24) 1,1-Dichloroethane	4.99	63	595138	48.471	ug/l	100
25) 2-Butanone	6.08	43	485099	266.295	ug/l	97
26) 2,2-Dichloropropane	6.04	77	506290	51.871	ug/l	100
27) cis-1,2-Dichloroethene	6.05	96	405770	48.462	ug/l	93
28) Bromochloromethane	6.45	49	253185	51.083	ug/l #	99
29) Tetrahydrofuran	6.47	42	233029	263.921	ug/l	98
30) Chloroform	6.68	83	654513	51.590	ug/l	96
31) Cyclohexane	6.97	56	467254	48.157	ug/l	97
32) 1,1,1-Trichloroethane	6.88	97	588975	52.622	ug/l	96
36) 1,1-Dichloropropene	7.16	75	501206	53.413	ug/l	99
37) Ethyl Acetate	6.19	43	216895	54.046	ug/l	98
38) Carbon Tetrachloride	7.12	117	589460m	54.667	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	512214	52.411	ug/l	96
40) Benzene	7.47	78	1175698	49.923	ug/l	97
41) Methacrylonitrile	6.45	41	259116	55.221	ug/l #	96
42) 1,2-Dichloroethane	7.58	62	402534	57.141	ug/l	99
43) Isopropyl Acetate	9.25	43	304985	52.232	ug/l	100
44) Trichloroethene	8.55	130	447496	51.059	ug/l	99
45) 1,2-Dichloropropane	8.94	63	286425	47.964	ug/l	98
46) Dibromomethane	9.07	93	213562	53.133	ug/l	92
47) Bromodichloromethane	9.38	83	504435	55.916	ug/l	98
48) Methyl methacrylate	9.13	41	167598	52.008	ug/l	97
49) 1,4-Dioxane	9.08	88	39742	1118.105	ug/l #	86
51) 4-Methyl-2-Pentanone	10.31	43	907241	255.385	ug/l	97
52) Toluene	10.52	92	789970	54.983	ug/l	99
53) t-1,3-Dichloropropene	10.92	75	456649	55.714	ug/l	99
54) cis-1,3-Dichloropropene	10.04	75	535844	53.690	ug/l	96
55) 1,1,2-Trichloroethane	11.20	97	258159	51.379	ug/l	96
56) Ethyl methacrylate	11.05	69	293321	54.341	ug/l	97
57) 1,3-Dichloropropane	11.41	76	399972	54.158	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.87	63	676318	257.282	ug/l	96
59) 2-Hexanone	11.54	43	714847	277.734	ug/l	100
60) Dibromochloromethane	11.69	129	398234	51.411	ug/l	100
61) 1,2-Dibromoethane	11.81	107	294901	50.685	ug/l	97
64) Tetrachloroethene	11.26	164	343549	51.755	ug/l	96
65) Chlorobenzene	12.41	112	909352	52.609	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.52	131	364470	54.458	ug/l	97
67) Ethyl Benzene	12.53	91	1413533	53.576	ug/l	97
68) m/p-Xylenes	12.67	106	1053047	105.366	ug/l	96
69) o-Xylene	13.06	106	498224	51.371	ug/l	98
70) Styrene	13.08	104	842486	49.832	ug/l	97
71) Bromoform	13.23	173	234391	55.248	ug/l	98
73) Isopropylbenzene	13.41	105	1480993	53.352	ug/l	99
74) N-amyl acetate	13.27	43	392296	50.732	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.71	83	279310	47.699	ug/l	98
76) 1,2,3-Trichloropropane	13.74	75	271806	47.178	ug/l	100
77) Bromobenzene	13.68	156	403482	49.030	ug/l	83
78) n-propylbenzene	13.78	91	1603172	47.193	ug/l	95
79) 2-Chlorotoluene	13.84	91	978634	53.057	ug/l	100
80) 1,3,5-Trimethylbenzene	13.93	105	1088372	50.534	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.48	75	91371	52.015	ug/l	97
82) 4-Chlorotoluene	13.95	91	1047868	52.247	ug/l	96
83) tert-Butylbenzene	14.19	119	1262955	46.922	ug/l	98
84) 1,2,4-Trimethylbenzene	14.24	105	1141176	48.941	ug/l	99
85) sec-Butylbenzene	14.38	105	1474188	51.556	ug/l	96
86) p-Isopropyltoluene	14.49	119	1274365	52.705	ug/l	99
87) 1,3-Dichlorobenzene	14.46	146	671643	48.197	ug/l	96
88) 1,4-Dichlorobenzene	14.54	146	702157	51.668	ug/l	97
89) n-Butylbenzene	14.80	91	1047798	47.214	ug/l	99
90) Hexachloroethane	15.02	117	349402	51.151	ug/l	99
91) 1,2-Dichlorobenzene	14.81	146	540586	47.293	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.38	75	37866	55.135	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	315255	60.544	ug/l	100
94) Hexachlorobutadiene	16.04	225	231264	56.837	ug/l	99
95) Naphthalene	16.13	128	475949	59.967	ug/l	99
96) 1,2,3-Trichlorobenzene	16.28	180	150994	65.898	ug/l	96

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

