

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070319\
 Data File : VD063030.D
 Acq On : 3 Jul 2019 17:52
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 7/9/2019 8:54:07 AM

Quant Time: Jul 04 02:12:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	924848	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1261562	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	1110992	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	578396	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.46	65	483900	48.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.28%	
35) Dibromofluoromethane	6.93	113	508817	47.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.66%	
50) Toluene-d8	10.42	98	1077723	46.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.10%	
62) 4-Bromofluorobenzene	13.56	95	487026	46.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	515803	43.099	ug/l	97
3) Chloromethane	1.75	50	395160	43.904	ug/l	96
4) Vinyl Chloride	1.85	62	414872	46.489	ug/l	100
5) Bromomethane	2.16	94	194694	46.586	ug/l	94
6) Chloroethane	2.27	64	199797	49.452	ug/l	91
7) Trichlorofluoromethane	2.53	101	895099	49.561	ug/l	100
8) Diethyl Ether	2.88	74	135808	59.183	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	3.15	101	504468	51.559	ug/l	90
10) Methyl Iodide	3.31	142	664938	51.512	ug/l	94
11) Tert butyl alcohol	4.10	59	147738	322.672	ug/l	99
12) 1,1-Dichloroethene	3.12	96	364516	49.662	ug/l	85
13) Acrolein	3.04	56	91675	196.130	ug/l	98
14) Allyl chloride	3.62	41	575040	53.021	ug/l	98
15) Acrylonitrile	4.20	53	321118	298.480	ug/l	89
16) Acetone	3.23	43	549870	270.290	ug/l	95
17) Carbon Disulfide	3.38	76	1017676	43.383	ug/l	99
18) Methyl Acetate	3.64	43	191750	63.185	ug/l	99
19) Methyl tert-butyl Ether	4.24	73	921965	58.023	ug/l	98
20) Methylene Chloride	3.82	84	380995	49.694	ug/l	97
21) trans-1,2-Dichloroethene	4.22	96	421098	53.881	ug/l	91
22) Diisopropyl ether	5.13	45	1206322	54.694	ug/l	98
23) Vinyl Acetate	5.06	43	3955652	286.613	ug/l	99
24) 1,1-Dichloroethane	4.99	63	761867	53.054	ug/l	99
25) 2-Butanone	6.09	43	572126	304.288	ug/l	94
26) 2,2-Dichloropropane	6.03	77	802612	52.730	ug/l	99
27) cis-1,2-Dichloroethene	6.05	96	442696	53.565	ug/l	97
28) Bromochloromethane	6.45	49	277757	54.918	ug/l	96
29) Tetrahydrofuran	6.48	42	267234	300.398	ug/l	98
30) Chloroform	6.67	83	952888	54.563	ug/l	96
31) Cyclohexane	6.96	56	485265	51.403	ug/l	97
32) 1,1,1-Trichloroethane	6.87	97	992137	54.542	ug/l	95
36) 1,1-Dichloropropene	7.16	75	641131	53.685	ug/l	95
37) Ethyl Acetate	6.19	43	277305	55.395	ug/l	97
38) Carbon Tetrachloride	7.12	117	927113m	51.618	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	544478	51.795	ug/l	97
40) Benzene	7.46	78	1295276	54.032	ug/l	98
41) Methacrylonitrile	6.46	41	363906	57.781	ug/l #	95
42) 1,2-Dichloroethane	7.58	62	720772	55.116	ug/l	100
43) Isopropyl Acetate	9.25	43	381782	60.978	ug/l	96
44) Trichloroethene	8.55	130	524997	55.862	ug/l	98
45) 1,2-Dichloropropane	8.95	63	321082	53.865	ug/l	99
46) Dibromomethane	9.07	93	296625	57.930	ug/l	96
47) Bromodichloromethane	9.38	83	759017	57.076	ug/l	98
48) Methyl methacrylate	9.13	41	249702	56.122	ug/l	97
49) 1,4-Dioxane	9.09	88	49082	1325.950	ug/l	93
51) 4-Methyl-2-Pentanone	10.31	43	1384013	311.782	ug/l	100
52) Toluene	10.52	92	898439	55.755	ug/l	98
53) t-1,3-Dichloropropene	10.92	75	590043	54.210	ug/l	94
54) cis-1,3-Dichloropropene	10.04	75	652264	55.134	ug/l	94
55) 1,1,2-Trichloroethane	11.19	97	305581	55.197	ug/l	96
56) Ethyl methacrylate	11.05	69	356385	60.236	ug/l	97
57) 1,3-Dichloropropane	11.41	76	488265	57.600	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.87	63	929733	306.092	ug/l	100
59) 2-Hexanone	11.54	43	972646	307.660	ug/l	100
60) Dibromochloromethane	11.69	129	565989	54.887	ug/l	99
61) 1,2-Dibromoethane	11.81	107	375029	57.357	ug/l	96
64) Tetrachloroethene	11.26	164	453294	49.574	ug/l	95
65) Chlorobenzene	12.41	112	1106029	53.642	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	518069	53.727	ug/l	90
67) Ethyl Benzene	12.52	91	1930815	52.158	ug/l	100
68) m/p-Xylenes	12.67	106	1434775	111.281	ug/l	96
69) o-Xylene	13.05	106	623264	52.880	ug/l	94
70) Styrene	13.07	104	1114463	53.833	ug/l	95
71) Bromoform	13.23	173	388235	58.765	ug/l	94
73) Isopropylbenzene	13.41	105	2069848	55.813	ug/l	97
74) N-amyl acetate	13.27	43	555626	61.694	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.70	83	387507	64.130	ug/l	97
76) 1,2,3-Trichloropropane	13.73	75	415310	62.198	ug/l	97
77) Bromobenzene	13.68	156	567463	56.889	ug/l	94
78) n-propylbenzene	13.77	91	2320860	53.768	ug/l	93
79) 2-Chlorotoluene	13.84	91	1346402	54.582	ug/l	96
80) 1,3,5-Trimethylbenzene	13.93	105	1744562	56.004	ug/l	94
81) trans-1,4-Dichloro-2-buten	13.48	75	106751	61.001	ug/l	94
82) 4-Chlorotoluene	13.95	91	1638892	55.186	ug/l	100
83) tert-Butylbenzene	14.19	119	1872784	53.937	ug/l	93
84) 1,2,4-Trimethylbenzene	14.24	105	1783412	55.857	ug/l	95
85) sec-Butylbenzene	14.37	105	1972936	52.280	ug/l	100
86) p-Isopropyltoluene	14.49	119	1883111	54.544	ug/l	98
87) 1,3-Dichlorobenzene	14.45	146	973439	54.440	ug/l	95
88) 1,4-Dichlorobenzene	14.54	146	977370	54.421	ug/l	96
89) n-Butylbenzene	14.80	91	1728516	53.492	ug/l	97
90) Hexachloroethane	15.01	117	514977	55.478	ug/l	92
91) 1,2-Dichlorobenzene	14.81	146	907403	59.313	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	15.38	75	74116	62.843	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	655055	54.814	ug/l	97
94) Hexachlorobutadiene	16.04	225	462918	50.704	ug/l	97
95) Naphthalene	16.13	128	1014081	60.542	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	521822	56.830	ug/l	99

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

