

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062519\
 Data File : VD062870.D
 Acq On : 25 Jun 2019 9:20
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 6/27/2019 12:44:49 AM

Quant Time: Jun 26 05:46:53 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	7.06	168	917866	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	1272393	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	1007007	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	588335	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.46	65	461341	46.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.48%	
35) Dibromofluoromethane	6.93	113	502451	46.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.66%	
50) Toluene-d8	10.43	98	1119014	47.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.84%	
62) 4-Bromofluorobenzene	13.57	95	512624	48.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	562254	47.338	ug/l	99
3) Chloromethane	1.75	50	428221	47.939	ug/l	96
4) Vinyl Chloride	1.85	62	453043	51.153	ug/l	98
5) Bromomethane	2.16	94	175731	42.368	ug/l	98
6) Chloroethane	2.27	64	197103	49.156	ug/l #	89
7) Trichlorofluoromethane	2.54	101	952463	53.139	ug/l	100
8) Diethyl Ether	2.87	74	122158	53.639	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.15	101	511532	52.679	ug/l	97
10) Methyl Iodide	3.31	142	629605	49.146	ug/l	100
11) Tert butyl alcohol	4.10	59	109442	240.848	ug/l	100
12) 1,1-Dichloroethene	3.13	96	374794	51.451	ug/l	89
13) Acrolein	3.04	56	124706	268.826	ug/l	97
14) Allyl chloride	3.62	41	570882	53.038	ug/l	97
15) Acrylonitrile	4.20	53	287487	269.253	ug/l	94
16) Acetone	3.23	43	553658	274.327	ug/l	99
17) Carbon Disulfide	3.38	76	1129163	48.501	ug/l	97
18) Methyl Acetate	3.65	43	154335	51.243	ug/l	99
19) Methyl tert-butyl Ether	4.25	73	888966	56.372	ug/l	98
20) Methylene Chloride	3.82	84	368853	48.476	ug/l	91
21) trans-1,2-Dichloroethene	4.22	96	415934	53.625	ug/l	96
22) Diisopropyl ether	5.13	45	1166002	53.268	ug/l	94
23) Vinyl Acetate	5.07	43	3770664	275.287	ug/l	99
24) 1,1-Dichloroethane	4.99	63	738089	51.789	ug/l	98
25) 2-Butanone	6.08	43	538928	288.812	ug/l #	92
26) 2,2-Dichloropropane	6.03	77	847039	56.072	ug/l	98
27) cis-1,2-Dichloroethene	6.04	96	450733	54.952	ug/l	94
28) Bromochloromethane	6.45	49	235433	46.904	ug/l	88
29) Tetrahydrofuran	6.48	42	240823	272.769	ug/l	97
30) Chloroform	6.67	83	914500	52.763	ug/l	93
31) Cyclohexane	6.97	56	500812	53.453	ug/l	91
32) 1,1,1-Trichloroethane	6.88	97	961664	53.269	ug/l	96
36) 1,1-Dichloropropene	7.16	75	597033	49.567	ug/l	93
37) Ethyl Acetate	6.20	43	251646	49.729	ug/l	98
38) Carbon Tetrachloride	7.12	117	954670m	52.700	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	510065	48.108	ug/l	95
40) Benzene	7.47	78	1234589	51.062	ug/l	98
41) Methacrylonitrile	6.46	41	332444	52.336	ug/l	98
42) 1,2-Dichloroethane	7.59	62	694224	52.634	ug/l	98
43) Isopropyl Acetate	9.25	43	355309	56.266	ug/l	98
44) Trichloroethene	8.55	130	496626	52.393	ug/l	97
45) 1,2-Dichloropropane	8.95	63	318083	52.908	ug/l	95
46) Dibromomethane	9.08	93	269339	52.153	ug/l	92
47) Bromodichloromethane	9.38	83	711642	53.058	ug/l	98
48) Methyl methacrylate	9.14	41	228747	50.974	ug/l	94
49) 1,4-Dioxane	9.10	88	44325	1187.247	ug/l	90
51) 4-Methyl-2-Pentanone	10.32	43	1156195	258.244	ug/l	98
52) Toluene	10.52	92	823399	50.663	ug/l	100
53) t-1,3-Dichloropropene	10.93	75	583831	53.182	ug/l	98
54) cis-1,3-Dichloropropene	10.05	75	631712	52.942	ug/l	92
55) 1,1,2-Trichloroethane	11.20	97	278545	49.885	ug/l	98
56) Ethyl methacrylate	11.06	69	306701	51.397	ug/l	99
57) 1,3-Dichloropropane	11.42	76	451249	52.780	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.87	63	844963	275.815	ug/l	99
59) 2-Hexanone	11.54	43	881242	276.375	ug/l	96
60) Dibromochloromethane	11.69	129	548755	52.762	ug/l	93
61) 1,2-Dibromoethane	11.81	107	362754	55.007	ug/l	97
64) Tetrachloroethene	11.27	164	427352	51.563	ug/l	97
65) Chlorobenzene	12.40	112	1051372	56.256	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.52	131	489218	55.974	ug/l	94
67) Ethyl Benzene	12.53	91	1872104	55.794	ug/l	99
68) m/p-Xylenes	12.68	106	1304325	111.609	ug/l	92
69) o-Xylene	13.05	106	651397	60.974	ug/l	98
70) Styrene	13.07	104	1072211	57.140	ug/l	97
71) Bromoform	13.24	173	349579	58.378	ug/l #	96
73) Isopropylbenzene	13.41	105	1885330	49.978	ug/l	100
74) N-amyl acetate	13.27	43	489068	53.386	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.70	83	316360	51.471	ug/l	99
76) 1,2,3-Trichloropropane	13.74	75	347544	51.170	ug/l	96
77) Bromobenzene	13.67	156	523804	51.625	ug/l	92
78) n-propylbenzene	13.78	91	2287907	52.109	ug/l	98
79) 2-Chlorotoluene	13.85	91	1240773	49.450	ug/l	92
80) 1,3,5-Trimethylbenzene	13.94	105	1502496	47.418	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.48	75	90653	50.927	ug/l	92
82) 4-Chlorotoluene	13.95	91	1451516	48.051	ug/l	96
83) tert-Butylbenzene	14.20	119	1867869	52.886	ug/l	94
84) 1,2,4-Trimethylbenzene	14.24	105	1708989	52.622	ug/l	99
85) sec-Butylbenzene	14.37	105	1974157	51.428	ug/l	96
86) p-Isopropyltoluene	14.49	119	1748104	49.779	ug/l	98
87) 1,3-Dichlorobenzene	14.46	146	939593	51.660	ug/l	96
88) 1,4-Dichlorobenzene	14.54	146	944198	51.686	ug/l	98
89) n-Butylbenzene	14.81	91	1751766	53.296	ug/l	93
90) Hexachloroethane	15.01	117	497006	52.637	ug/l	93
91) 1,2-Dichlorobenzene	14.82	146	830234	53.352	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.39	75	61417	51.196	ug/l #	51

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	651415	53.588	ug/l	97
94) Hexachlorobutadiene	16.05	225	478461	51.522	ug/l	96
95) Naphthalene	16.12	128	847030	49.715	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	453920	48.600	ug/l	97

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

