

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062519\
 Data File : VD062890.D
 Acq On : 25 Jun 2019 20:14
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/27/2019 12:44:50 AM

Quant Time: Jun 26 07:12:56 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	827865	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	1112852	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	959111	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	517258	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.46	65	440428	48.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.88%	
35) Dibromofluoromethane	6.93	113	435158	46.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.74%	
50) Toluene-d8	10.42	98	943785	46.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.42%	
62) 4-Bromofluorobenzene	13.55	95	452186	48.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.38%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.57	85	510813	47.682	ug/l	97
3) Chloromethane	1.75	50	384270	47.695	ug/l	97
4) Vinyl Chloride	1.85	62	375804	47.045	ug/l	99
5) Bromomethane	2.15	94	172341	46.068	ug/l	98
6) Chloroethane	2.27	64	181191	50.100	ug/l	94
7) Trichlorofluoromethane	2.54	101	878008	54.310	ug/l	99
8) Diethyl Ether	2.87	74	121876	59.333	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.15	101	465768	53.180	ug/l	88
10) Methyl Iodide	3.31	142	583989	50.541	ug/l	99
11) Tert butyl alcohol	4.10	59	96921	236.482	ug/l #	91
12) 1,1-Dichloroethene	3.13	96	346636	52.759	ug/l	93
13) Acrolein	3.04	56	81945	195.851	ug/l	96
14) Allyl chloride	3.62	41	515072	53.056	ug/l	92
15) Acrylonitrile	4.20	53	270184	280.557	ug/l	90
16) Acetone	3.23	43	496285	272.588	ug/l	98
17) Carbon Disulfide	3.37	76	996819	47.472	ug/l #	95
18) Methyl Acetate	3.65	43	159366	58.666	ug/l	98
19) Methyl tert-butyl Ether	4.25	73	818008	57.512	ug/l	98
20) Methylene Chloride	3.83	84	342264	49.872	ug/l	94
21) trans-1,2-Dichloroethene	4.22	96	367758	52.568	ug/l	99
22) Diisopropyl ether	5.14	45	1063368	53.860	ug/l	99
23) Vinyl Acetate	5.07	43	3451798	279.405	ug/l	99
24) 1,1-Dichloroethane	4.99	63	662520	51.541	ug/l	98
25) 2-Butanone	6.08	43	494479	293.800	ug/l	97
26) 2,2-Dichloropropane	6.03	77	688863	50.559	ug/l	96
27) cis-1,2-Dichloroethene	6.04	96	406630	54.965	ug/l	96
28) Bromochloromethane	6.45	49	226316	49.989	ug/l	85
29) Tetrahydrofuran	6.47	42	216840	272.305	ug/l	96
30) Chloroform	6.67	83	858474	54.915	ug/l	93
31) Cyclohexane	6.96	56	431886	51.108	ug/l	90
32) 1,1,1-Trichloroethane	6.88	97	848222	52.094	ug/l	92
36) 1,1-Dichloropropene	7.15	75	543725	51.613	ug/l	98
37) Ethyl Acetate	6.19	43	250404	56.732	ug/l	97
38) Carbon Tetrachloride	7.11	117	836060m	52.769	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	487052	52.523	ug/l	95
40) Benzene	7.46	78	1182882	55.938	ug/l	98
41) Methacrylonitrile	6.47	41	292905	52.722	ug/l #	85
42) 1,2-Dichloroethane	7.59	62	665788	57.715	ug/l	100
43) Isopropyl Acetate	9.25	43	322247	58.347	ug/l #	96
44) Trichloroethene	8.55	130	469983	56.691	ug/l	91
45) 1,2-Dichloropropane	8.95	63	278695	53.002	ug/l	98
46) Dibromomethane	9.07	93	256972	56.892	ug/l	90
47) Bromodichloromethane	9.38	83	663078	56.525	ug/l	99
48) Methyl methacrylate	9.13	41	215034	54.788	ug/l	90
49) 1,4-Dioxane	9.09	88	39133	1198.448	ug/l	95
51) 4-Methyl-2-Pentanone	10.31	43	1181298	301.677	ug/l	100
52) Toluene	10.52	92	757189	53.268	ug/l	100
53) t-1,3-Dichloropropene	10.92	75	548701	57.148	ug/l	97
54) cis-1,3-Dichloropropene	10.05	75	569303	54.552	ug/l	95
55) 1,1,2-Trichloroethane	11.20	97	279033	57.136	ug/l	92
56) Ethyl methacrylate	11.05	69	314658	60.290	ug/l	97
57) 1,3-Dichloropropane	11.42	76	417109	55.781	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.86	63	798693	298.088	ug/l	100
59) 2-Hexanone	11.54	43	866483	310.704	ug/l	99
60) Dibromochloromethane	11.69	129	524511	57.661	ug/l	98
61) 1,2-Dibromoethane	11.81	107	333103	57.752	ug/l	98
64) Tetrachloroethene	11.26	164	450769	57.105	ug/l	96
65) Chlorobenzene	12.40	112	984010	55.281	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.52	131	463553	55.687	ug/l	92
67) Ethyl Benzene	12.53	91	1768876	55.350	ug/l	98
68) m/p-Xylenes	12.67	106	1243460	111.715	ug/l	99
69) o-Xylene	13.05	106	590296	58.014	ug/l	94
70) Styrene	13.07	104	985967	55.168	ug/l	98
71) Bromoform	13.24	173	337773	59.224	ug/l	95
73) Isopropylbenzene	13.41	105	1777917	53.607	ug/l	99
74) N-amyl acetate	13.27	43	476261	59.132	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.70	83	305977	56.623	ug/l	99
76) 1,2,3-Trichloropropane	13.74	75	348093	58.294	ug/l	98
77) Bromobenzene	13.67	156	489233	54.843	ug/l	89
78) n-propylbenzene	13.78	91	2186210	56.635	ug/l	98
79) 2-Chlorotoluene	13.85	91	1273768	57.741	ug/l	94
80) 1,3,5-Trimethylbenzene	13.94	105	1604197	57.585	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.47	75	89798	57.379	ug/l	97
82) 4-Chlorotoluene	13.95	91	1486171	55.959	ug/l	94
83) tert-Butylbenzene	14.19	119	1720893	55.420	ug/l	94
84) 1,2,4-Trimethylbenzene	14.24	105	1552154	54.360	ug/l	99
85) sec-Butylbenzene	14.37	105	1792219	53.104	ug/l	95
86) p-Isopropyltoluene	14.50	119	1634444	52.937	ug/l	96
87) 1,3-Dichlorobenzene	14.46	146	872727	54.577	ug/l	95
88) 1,4-Dichlorobenzene	14.54	146	884201	55.052	ug/l	97
89) n-Butylbenzene	14.80	91	1663171	57.553	ug/l	96
90) Hexachloroethane	15.01	117	467570	56.324	ug/l	95
91) 1,2-Dichlorobenzene	14.81	146	813967	59.494	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.38	75	66657	63.199	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	631273	59.067	ug/l	97
94) Hexachlorobutadiene	16.04	225	477267	58.455	ug/l	97
95) Naphthalene	16.12	128	941580	62.858	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	505917	61.611	ug/l	97

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

