

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120519\
 Data File : VD064447.D
 Acq On : 05 Dec 2019 20:22
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

apatel
 12/6/2019 12:59:19 PM

Quant Time: Dec 06 07:07:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 29 07:18:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	491651	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	740413	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	705498	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	382377	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	236010	53.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.06%	
35) Dibromofluoromethane	7.92	113	230927	49.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.00%	
50) Toluene-d8	10.34	98	881695	50.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.34%	
62) 4-Bromofluorobenzene	12.64	95	306923	54.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	239508	53.764	ug/l	98
3) Chloromethane	2.21	50	317686	56.540	ug/l	99
4) Vinyl Chloride	2.35	62	308844	47.606	ug/l	97
5) Bromomethane	2.77	94	216313	45.088	ug/l	95
6) Chloroethane	2.93	64	216269	49.875	ug/l	98
7) Trichlorofluoromethane	3.27	101	510295	47.316	ug/l	99
8) Diethyl Ether	3.71	74	125603	56.045	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.08	101	229056	49.534	ug/l	99
10) Methyl Iodide	4.29	142	259692	53.179	ug/l	100
11) Tert butyl alcohol	5.26	59	72454	255.772	ug/l #	100
12) 1,1-Dichloroethene	4.06	96	220052	49.656	ug/l	100
13) Acrolein	3.93	56	99429	257.333	ug/l	98
14) Allyl chloride	4.71	41	360917	52.186	ug/l	100
15) Acrylonitrile	5.43	53	255768	260.983	ug/l	99
16) Acetone	4.17	43	228803	254.427	ug/l	96
17) Carbon Disulfide	4.40	76	673420	47.981	ug/l	98
18) Methyl Acetate	4.73	43	144264	54.996	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	555965	54.693	ug/l	100
20) Methylene Chloride	4.96	84	257909	57.073	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	249457	49.765	ug/l	98
22) Diisopropyl ether	6.37	45	746433	54.672	ug/l	98
23) Vinyl Acetate	6.31	43	2172928	269.968	ug/l	97
24) 1,1-Dichloroethane	6.27	63	422763	51.490	ug/l	99
25) 2-Butanone	7.22	43	322060	253.236	ug/l	98
26) 2,2-Dichloropropane	7.21	77	353125	49.454	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	282421	51.678	ug/l	100
28) Bromochloromethane	7.55	49	154195	54.952	ug/l	99
29) Tetrahydrofuran	7.57	42	207797	256.813	ug/l	97
30) Chloroform	7.71	83	445688	52.413	ug/l	99
31) Cyclohexane	7.98	56	361063	50.406	ug/l	98
32) 1,1,1-Trichloroethane	7.91	97	399231	50.641	ug/l	98
36) 1,1-Dichloropropene	8.11	75	328737	46.940	ug/l	99
37) Ethyl Acetate	7.30	43	152906	51.455	ug/l	99
38) Carbon Tetrachloride	8.10	117	358165	48.457	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	410972	47.307	ug/l	97
40) Benzene	8.35	78	952876	48.988	ug/l	99
41) Methacrylonitrile	7.54	41	97038	56.941	ug/l	98
42) 1,2-Dichloroethane	8.43	62	293992	51.828	ug/l	99
43) Isopropyl Acetate	8.46	43	305314	52.255	ug/l	99
44) Trichloroethene	9.11	130	280184	47.820	ug/l	97
45) 1,2-Dichloropropane	9.39	63	238055	51.174	ug/l	99
46) Dibromomethane	9.48	93	133906	51.002	ug/l	97
47) Bromodichloromethane	9.66	83	355575	52.708	ug/l	99
48) Methyl methacrylate	9.46	41	139912	52.330	ug/l	97
49) 1,4-Dioxane	9.47	88	32738	1009.770	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	751375	259.904	ug/l	99
52) Toluene	10.40	92	626649	49.434	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	344142	53.527	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	395776	51.818	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	188307	52.379	ug/l	98
56) Ethyl methacrylate	10.66	69	247111	53.892	ug/l	99
57) 1,3-Dichloropropane	10.95	76	323552	52.870	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	461942	252.720	ug/l	98
59) 2-Hexanone	10.99	43	514950	256.703	ug/l	99
60) Dibromochloromethane	11.14	129	259773	53.294	ug/l	100
61) 1,2-Dibromoethane	11.25	107	188535	52.524	ug/l	99
64) Tetrachloroethene	10.88	164	250394	46.542	ug/l	98
65) Chlorobenzene	11.67	112	704141	47.854	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	274591	50.411	ug/l	98
67) Ethyl Benzene	11.75	91	1245559	47.576	ug/l	99
68) m/p-Xylenes	11.86	106	970598	97.232	ug/l	99
69) o-Xylene	12.18	106	462815	50.201	ug/l	100
70) Styrene	12.20	104	796071	49.690	ug/l	100
71) Bromoform	12.37	173	162633	49.904	ug/l #	96
73) Isopropylbenzene	12.48	105	1193873	43.412	ug/l	100
74) N-amyl acetate	12.29	43	294442	47.173	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	12.74	83	207149	45.549	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	153919m	48.948	ug/l	
77) Bromobenzene	12.77	156	323367	47.615	ug/l	95
78) n-propylbenzene	12.83	91	1382874	43.581	ug/l	100
79) 2-Chlorotoluene	12.91	91	776223	44.458	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	1030458	45.852	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	63353	43.931	ug/l	97
82) 4-Chlorotoluene	13.01	91	815546	44.117	ug/l	98
83) tert-Butylbenzene	13.23	119	871130	44.586	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	1057180	46.782	ug/l	99
85) sec-Butylbenzene	13.41	105	1176085	43.858	ug/l	100
86) p-Isopropyltoluene	13.53	119	1133896	44.789	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	577003	44.765	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	567009	44.556	ug/l	99
89) n-Butylbenzene	13.85	91	1013686	44.092	ug/l	99
90) Hexachloroethane	14.12	117	206593	43.630	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	503628	45.719	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.52	75	33986	50.015	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	364975	43.262	ug/l	99
94) Hexachlorobutadiene	15.28	225	226574	43.504	ug/l	99
95) Naphthalene	15.41	128	647193	45.968	ug/l	98
96) 1,2,3-Trichlorobenzene	15.61	180	327581	45.489	ug/l	97

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

