

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100820\
 Data File : VD067183.D
 Acq On : 08 Oct 2020 09:56
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 10/9/2020 4:22:25 PM

Quant Time: Oct 08 16:26:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 15:19:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	369014	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	540348	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	498701	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	245024	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	170218	47.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.78%	
35) Dibromofluoromethane	7.91	113	176645	49.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.86%	
50) Toluene-d8	10.34	98	654353	50.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.52%	
62) 4-Bromofluorobenzene	12.64	95	229136	52.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	165867	56.477	ug/l	96
3) Chloromethane	2.21	50	116654	39.695	ug/l	98
4) Vinyl Chloride	2.35	62	124429	42.227	ug/l	100
5) Bromomethane	2.77	94	94325	49.629	ug/l	91
6) Chloroethane	2.92	64	80510	44.864	ug/l	89
7) Trichlorofluoromethane	3.27	101	311222	47.538	ug/l	97
8) Diethyl Ether	3.71	74	75969	46.794	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	4.10	101	175892	47.534	ug/l	100
10) Methyl Iodide	4.30	142	159198	44.277	ug/l	96
11) Tert butyl alcohol	5.23	59	46334	215.782	ug/l	95
12) 1,1-Dichloroethene	4.07	96	156430	44.969	ug/l	97
13) Acrolein	3.91	56	56129	235.839	ug/l	98
14) Allyl chloride	4.71	41	183898	40.694	ug/l	90
15) Acrylonitrile	5.41	53	129736	217.128	ug/l	98
16) Acetone	4.16	43	147981	272.741	ug/l	99
17) Carbon Disulfide	4.40	76	457615	42.866	ug/l	100
18) Methyl Acetate	4.71	43	59720	43.794	ug/l	94
19) Methyl tert-butyl Ether	5.47	73	307837	48.476	ug/l	97
20) Methylene Chloride	4.96	84	182379	46.920	ug/l	92
21) trans-1,2-Dichloroethene	5.47	96	182244	46.035	ug/l	94
22) Diisopropyl ether	6.36	45	353274	42.821	ug/l	99
23) Vinyl Acetate	6.30	43	1047294	224.019	ug/l	100
24) 1,1-Dichloroethane	6.27	63	284262	44.646	ug/l	99
25) 2-Butanone	7.21	43	159027	206.733	ug/l	94
26) 2,2-Dichloropropane	7.21	77	280697	51.697	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	198723	47.002	ug/l	97
28) Bromochloromethane	7.55	49	108072	43.952	ug/l	85
29) Tetrahydrofuran	7.56	42	91454	206.766	ug/l	90
30) Chloroform	7.71	83	330467	47.846	ug/l	98
31) Cyclohexane	7.98	56	220844	41.373	ug/l	89
32) 1,1,1-Trichloroethane	7.90	97	315976	49.363	ug/l	98
36) 1,1-Dichloropropene	8.11	75	241560	47.961	ug/l	97
37) Ethyl Acetate	7.29	43	77161	44.223	ug/l #	93
38) Carbon Tetrachloride	8.10	117	302670	55.540	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	264204	49.616	ug/l	95
40) Benzene	8.35	78	673621	48.152	ug/l	97
41) Methacrylonitrile	7.53	41	44268	46.962	ug/l #	100
42) 1,2-Dichloroethane	8.43	62	197852	50.613	ug/l	97
43) Isopropyl Acetate	8.45	43	146670	45.630	ug/l	96
44) Trichloroethene	9.11	130	211883	50.721	ug/l	100
45) 1,2-Dichloropropane	9.38	63	155566	47.327	ug/l	94
46) Dibromomethane	9.47	93	94068	49.792	ug/l	96
47) Bromodichloromethane	9.66	83	255907	52.110	ug/l	99
48) Methyl methacrylate	9.46	41	69678	42.312	ug/l #	78
49) 1,4-Dioxane	9.46	88	19429	985.376	ug/l	92
51) 4-Methyl-2-Pentanone	10.23	43	372418	232.607	ug/l	99
52) Toluene	10.40	92	462885	51.365	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	226700	51.651	ug/l	96
54) cis-1,3-Dichloropropene	10.08	75	265868	49.607	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	129392	49.263	ug/l	97
56) Ethyl methacrylate	10.66	69	146245	53.930	ug/l	96
57) 1,3-Dichloropropane	10.94	76	210251	49.363	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	384872	254.995	ug/l	96
59) 2-Hexanone	10.98	43	271106	253.698	ug/l	95
60) Dibromochloromethane	11.14	129	181807	51.933	ug/l	95
61) 1,2-Dibromoethane	11.24	107	129063	51.146	ug/l	98
64) Tetrachloroethene	10.87	164	183923	50.730	ug/l	94
65) Chlorobenzene	11.67	112	497386	50.147	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	196986	52.211	ug/l	98
67) Ethyl Benzene	11.74	91	878055	51.667	ug/l	100
68) m/p-Xylenes	11.86	106	675497	101.993	ug/l	98
69) o-Xylene	12.18	106	303077	51.173	ug/l	92
70) Styrene	12.20	104	538346	52.935	ug/l	99
71) Bromoform	12.36	173	101606	51.881	ug/l #	98
73) Isopropylbenzene	12.48	105	875041	52.595	ug/l	100
74) N-amyl acetate	12.29	43	132657	44.354	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.74	83	128991	46.016	ug/l	97
76) 1,2,3-Trichloropropane	12.78	75	93134m	43.638	ug/l	
77) Bromobenzene	12.77	156	209636	52.183	ug/l	94
78) n-propylbenzene	12.83	91	1001093	50.914	ug/l	98
79) 2-Chlorotoluene	12.91	91	564948	50.218	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	745155	53.011	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	40800	47.661	ug/l	98
82) 4-Chlorotoluene	13.01	91	607838	50.783	ug/l	99
83) tert-Butylbenzene	13.23	119	643995	54.405	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	740774	52.807	ug/l	98
85) sec-Butylbenzene	13.41	105	877295	52.628	ug/l	99
86) p-Isopropyltoluene	13.52	119	806560	52.189	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	387432	49.512	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	389720	49.809	ug/l	99
89) n-Butylbenzene	13.85	91	733171	51.909	ug/l	99
90) Hexachloroethane	14.12	117	138572	51.188	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	339823	49.726	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	22048	48.793	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	244551	55.323	ug/l	99
94) Hexachlorobutadiene	15.28	225	148625	54.748	ug/l	99
95) Naphthalene	15.41	128	402023	54.526	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	206548	53.826	ug/l	95

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

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