

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100120\
 Data File : VD067005.D
 Acq On : 01 Oct 2020 20:59
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/2/2020 3:13:34 PM

Quant Time: Oct 02 01:21:13 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	420951	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	685798	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	636247	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	306481	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	217548	53.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.30%	
35) Dibromofluoromethane	7.91	113	233514	52.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.02%	
50) Toluene-d8	10.34	98	850361	51.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.96%	
62) 4-Bromofluorobenzene	12.63	95	290782	52.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	185020	55.103	ug/l	94
3) Chloromethane	2.21	50	171611	51.191	ug/l	96
4) Vinyl Chloride	2.35	62	169782	50.509	ug/l	97
5) Bromomethane	2.77	94	132396	62.158	ug/l	97
6) Chloroethane	2.93	64	105461	51.518	ug/l	97
7) Trichlorofluoromethane	3.27	101	366174	49.031	ug/l	100
8) Diethyl Ether	3.71	74	103753	56.023	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.10	101	205326	48.642	ug/l	99
10) Methyl Iodide	4.30	142	215082	52.440	ug/l	100
11) Tert butyl alcohol	5.21	59	62997	268.758	ug/l	98
12) 1,1-Dichloroethene	4.07	96	199399	50.250	ug/l	98
13) Acrolein	3.92	56	62990	232.013	ug/l	99
14) Allyl chloride	4.71	41	283691	55.032	ug/l	99
15) Acrylonitrile	5.43	53	188709	276.860	ug/l	99
16) Acetone	4.16	43	155403	251.082	ug/l	95
17) Carbon Disulfide	4.41	76	636717	52.284	ug/l	98
18) Methyl Acetate	4.71	43	90992	58.493	ug/l	97
19) Methyl tert-butyl Ether	5.47	73	412724	56.975	ug/l	99
20) Methylene Chloride	4.97	84	274024	64.499	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	240689	53.297	ug/l	99
22) Diisopropyl ether	6.36	45	544781	57.886	ug/l	98
23) Vinyl Acetate	6.31	43	1576492	295.610	ug/l	99
24) 1,1-Dichloroethane	6.27	63	398159	54.819	ug/l	98
25) 2-Butanone	7.21	43	238567	271.869	ug/l	99
26) 2,2-Dichloropropane	7.21	77	321427	51.912	ug/l	96
27) cis-1,2-Dichloroethene	7.21	96	273198	56.644	ug/l	98
28) Bromochloromethane	7.54	49	156210	55.691	ug/l	100
29) Tetrahydrofuran	7.56	42	143185	283.783	ug/l	99
30) Chloroform	7.71	83	437508	55.529	ug/l	96
31) Cyclohexane	7.98	56	293814	48.252	ug/l	93
32) 1,1,1-Trichloroethane	7.90	97	383866	52.571	ug/l	99
36) 1,1-Dichloropropene	8.11	75	315997	49.433	ug/l	98
37) Ethyl Acetate	7.30	43	115146	51.996	ug/l	97
38) Carbon Tetrachloride	8.10	117	343848	49.714	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	340329	50.357	ug/l	96
40) Benzene	8.35	78	943181	53.121	ug/l	99
41) Methacrylonitrile	7.52	41	77225	64.549	ug/l #	100
42) 1,2-Dichloroethane	8.42	62	257645	51.930	ug/l	99
43) Isopropyl Acetate	8.45	43	221311	54.248	ug/l	100
44) Trichloroethene	9.11	130	271480	51.204	ug/l	97
45) 1,2-Dichloropropane	9.38	63	227075	54.431	ug/l	95
46) Dibromomethane	9.47	93	126370	52.704	ug/l	97
47) Bromodichloromethane	9.66	83	334266	53.630	ug/l	97
48) Methyl methacrylate	9.46	41	104404	49.953	ug/l #	81
49) 1,4-Dioxane	9.46	88	25809	1031.335	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	556213	273.722	ug/l	98
52) Toluene	10.40	92	625693	54.706	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	300576	53.959	ug/l	92
54) cis-1,3-Dichloropropene	10.08	75	361126	53.090	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	175260	52.574	ug/l	93
56) Ethyl methacrylate	10.66	69	195941	56.931	ug/l	95
57) 1,3-Dichloropropane	10.94	76	292499	54.108	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	567579	296.291	ug/l	100
59) 2-Hexanone	10.98	43	376532	277.624	ug/l	99
60) Dibromochloromethane	11.14	129	238643	53.711	ug/l	96
61) 1,2-Dibromoethane	11.24	107	172030	53.715	ug/l	97
64) Tetrachloroethene	10.87	164	231949	50.145	ug/l	93
65) Chlorobenzene	11.67	112	665392	52.583	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	246865	51.286	ug/l	98
67) Ethyl Benzene	11.74	91	1151597	53.114	ug/l	99
68) m/p-Xylenes	11.86	106	899044	106.400	ug/l	100
69) o-Xylene	12.18	106	414882	54.907	ug/l	98
70) Styrene	12.20	104	710901	54.790	ug/l	100
71) Bromoform	12.36	173	130115	52.075	ug/l #	100
73) Isopropylbenzene	12.48	105	1105199	53.108	ug/l	100
74) N-amyl acetate	12.29	43	196878	52.627	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	177931	50.747	ug/l	95
76) 1,2,3-Trichloropropane	12.78	75	113718m	42.598	ug/l	
77) Bromobenzene	12.76	156	268535	53.440	ug/l	97
78) n-propylbenzene	12.82	91	1285592	52.272	ug/l	99
79) 2-Chlorotoluene	12.91	91	732895	52.083	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	951296	54.105	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	53747	50.195	ug/l	98
82) 4-Chlorotoluene	13.01	91	779822	52.087	ug/l	100
83) tert-Butylbenzene	13.23	119	779798	52.667	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	949515	54.114	ug/l	98
85) sec-Butylbenzene	13.40	105	1081410	51.864	ug/l	100
86) p-Isopropyltoluene	13.52	119	1008977	52.195	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	504398	51.534	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	498733	50.960	ug/l	99
89) n-Butylbenzene	13.85	91	905082	51.231	ug/l	99
90) Hexachloroethane	14.12	117	173608	51.270	ug/l	99
91) 1,2-Dichlorobenzene	13.89	146	440896	51.579	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	29352	51.932	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	295596	53.462	ug/l	99
94) Hexachlorobutadiene	15.27	225	167894	49.444	ug/l	99
95) Naphthalene	15.41	128	513692	55.701	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	256839	53.511	ug/l	100

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

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