

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120120\
 Data File : VD067831.D
 Acq On : 01 Dec 2020 12:22
 Operator : VA/SY
 Sample : VSTDICC100
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 12/2/2020 12:24:03 PM

Quant Time: Dec 02 04:06:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120120S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 02 03:45:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	240085	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	336834	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	306978	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	154732	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	246859	95.78	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	191.56%#
35) Dibromofluoromethane	7.92	113	223131	99.00	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	198.00%#
50) Toluene-d8	10.34	98	810908	99.94	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	199.88%#
62) 4-Bromofluorobenzene	12.64	95	279689	99.71	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	199.42%#

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	203641	97.464	ug/l	96
3) Chloromethane	2.21	50	114668	95.095	ug/l	97
4) Vinyl Chloride	2.35	62	146535	96.490	ug/l	97
5) Bromomethane	2.76	94	125134	92.302	ug/l	97
6) Chloroethane	2.92	64	97295	98.400	ug/l	99
7) Trichlorofluoromethane	3.27	101	432882	93.152	ug/l	98
8) Diethyl Ether	3.71	74	86300	95.281	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.10	101	202907	95.753	ug/l	99
10) Methyl Iodide	4.30	142	250400	111.482	ug/l	98
11) Tert butyl alcohol	5.23	59	56407	282.743	ug/l	100
12) 1,1-Dichloroethene	4.07	96	190251	95.630	ug/l	97
13) Acrolein	3.93	56	49155	549.895	ug/l	94
14) Allyl chloride	4.72	41	188553	102.449	ug/l	98
15) Acrylonitrile	5.42	53	148276	472.124	ug/l	98
16) Acetone	4.16	43	149076	473.146	ug/l	94
17) Carbon Disulfide	4.41	76	529526	95.332	ug/l	97
18) Methyl Acetate	4.72	43	56073	86.551	ug/l	95
19) Methyl tert-butyl Ether	5.48	73	435838	102.309	ug/l	96
20) Methylene Chloride	4.97	84	194279	80.311	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	213284	94.213	ug/l	98
22) Diisopropyl ether	6.37	45	350239	94.617	ug/l	96
23) Vinyl Acetate	6.31	43	1087140	527.922	ug/l	98
24) 1,1-Dichloroethane	6.27	63	305431	94.128	ug/l	98
25) 2-Butanone	7.21	43	160484	479.073	ug/l	98
26) 2,2-Dichloropropane	7.21	77	371467	96.002	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	236494	95.509	ug/l	98
28) Bromochloromethane	7.56	49	103322	100.290	ug/l	97
29) Tetrahydrofuran	7.57	42	93446	532.895	ug/l	99
30) Chloroform	7.71	83	401571	92.605	ug/l	100
31) Cyclohexane	7.98	56	241618	88.979	ug/l	98
32) 1,1,1-Trichloroethane	7.91	97	434498	94.920	ug/l	99
36) 1,1-Dichloropropene	8.11	75	286468	98.242	ug/l	99
37) Ethyl Acetate	7.29	43	74007	108.691	ug/l	97
38) Carbon Tetrachloride	8.10	117	424270	96.164	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	343561	99.423	ug/l	97
40) Benzene	8.36	78	756812	94.852	ug/l	98
41) Methacrylonitrile	7.53	41	34057m	89.130	ug/l	
42) 1,2-Dichloroethane	8.43	62	274083	96.382	ug/l	100
43) Isopropyl Acetate	8.46	43	153335	99.160	ug/l	99
44) Trichloroethene	9.11	130	261878	95.463	ug/l	99
45) 1,2-Dichloropropane	9.39	63	158414	96.735	ug/l	93
46) Dibromomethane	9.48	93	110656	97.187	ug/l	98
47) Bromodichloromethane	9.67	83	308708	95.105	ug/l	98
48) Methyl methacrylate	9.46	41	80704	102.781	ug/l	94
49) 1,4-Dioxane	9.47	88	23616	1815.194	ug/l	93
51) 4-Methyl-2-Pentanone	10.23	43	356248	486.770	ug/l	100
52) Toluene	10.41	92	533792	95.688	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	273842	97.743	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	301751	99.017	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	144702	92.866	ug/l	98
56) Ethyl methacrylate	10.67	69	158013	99.670	ug/l	99
57) 1,3-Dichloropropane	10.95	76	228838	92.713	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	381160	528.364	ug/l	99
59) 2-Hexanone	10.99	43	252783	489.963	ug/l	100
60) Dibromochloromethane	11.14	129	225885	96.169	ug/l	99
61) 1,2-Dibromoethane	11.25	107	145196	94.757	ug/l	99
64) Tetrachloroethene	10.88	164	226897	90.615	ug/l	95
65) Chlorobenzene	11.67	112	597523	94.334	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	246471	95.403	ug/l	95
67) Ethyl Benzene	11.75	91	1044060	96.760	ug/l	98
68) m/p-Xylenes	11.86	106	816414	191.886	ug/l	99
69) o-Xylene	12.18	106	372958	98.740	ug/l	99
70) Styrene	12.20	104	638406	97.200	ug/l	99
71) Bromoform	12.36	173	130609	95.507	ug/l #	98
73) Isopropylbenzene	12.48	105	1062282	99.830	ug/l	98
74) N-amyl acetate	12.29	43	134642	102.294	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	129400	92.109	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	101710m	88.389	ug/l	
77) Bromobenzene	12.76	156	257844	97.469	ug/l	97
78) n-propylbenzene	12.83	91	1166364	98.896	ug/l	99
79) 2-Chlorotoluene	12.91	91	680250	98.044	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	921026	99.971	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	46724	99.190	ug/l	99
82) 4-Chlorotoluene	13.01	91	727100	98.241	ug/l	98
83) tert-Butylbenzene	13.23	119	785498	100.193	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	912324	99.585	ug/l	100
85) sec-Butylbenzene	13.40	105	1030364	98.469	ug/l	100
86) p-Isopropyltoluene	13.52	119	1013449	98.822	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	481336	94.324	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	479996	94.021	ug/l	100
89) n-Butylbenzene	13.84	91	846685	99.376	ug/l	99
90) Hexachloroethane	14.11	117	188652	99.639	ug/l	96
91) 1,2-Dichlorobenzene	13.89	146	422044	95.359	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	28722	97.963	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	314667	101.642	ug/l	100
94) Hexachlorobutadiene	15.27	225	202216	100.100	ug/l	98
95) Naphthalene	15.40	128	528460	104.903	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	268810	100.545	ug/l	99

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

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