

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030420\
 Data File : VD065408.D
 Acq On : 04 Mar 2020 12:28
 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
 3/5/2020 1:38:33 PM

Quant Time: Mar 04 16:22:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030420S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 04 15:55:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	505927	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	734348	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	665295	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	323220	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	409663	93.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	187.76%	
35) Dibromofluoromethane	7.92	113	430983	94.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	189.30%	
50) Toluene-d8	10.34	98	1718662	98.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	196.60%	
62) 4-Bromofluorobenzene	12.64	95	540058	98.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	197.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	383382	87.390	ug/l	99
3) Chloromethane	2.21	50	469252	89.293	ug/l	99
4) Vinyl Chloride	2.35	62	477276	91.847	ug/l	97
5) Bromomethane	2.76	94	283497	84.908	ug/l	100
6) Chloroethane	2.92	64	291645	91.960	ug/l	100
7) Trichlorofluoromethane	3.27	101	694174	90.608	ug/l	100
8) Diethyl Ether	3.71	74	216691	94.724	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.08	101	456119	92.493	ug/l	99
10) Methyl Iodide	4.30	142	556362	109.270	ug/l	98
11) Tert butyl alcohol	5.25	59	119557	506.614	ug/l	97
12) 1,1-Dichloroethene	4.06	96	443651	94.024	ug/l	94
13) Acrolein	3.93	56	207922	482.921	ug/l	99
14) Allyl chloride	4.71	41	714568	98.300	ug/l	99
15) Acrylonitrile	5.43	53	487630	485.220	ug/l	99
16) Acetone	4.17	43	416244	467.672	ug/l	99
17) Carbon Disulfide	4.40	76	1471518	93.417	ug/l	100
18) Methyl Acetate	4.73	43	214035	94.064	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	925327	100.891	ug/l	98
20) Methylene Chloride	4.96	84	462056	83.738	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	504425	95.838	ug/l	98
22) Diisopropyl ether	6.37	45	1345727	98.654	ug/l	98
23) Vinyl Acetate	6.31	43	4006118	529.563	ug/l	99
24) 1,1-Dichloroethane	6.27	63	812277	93.748	ug/l	98
25) 2-Butanone	7.22	43	605472	497.232	ug/l	97
26) 2,2-Dichloropropane	7.21	77	713689	94.240	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	529251	98.055	ug/l	98
28) Bromochloromethane	7.55	49	333209	94.800	ug/l	99
29) Tetrahydrofuran	7.57	42	390582	499.317	ug/l	98
30) Chloroform	7.71	83	813951	93.413	ug/l	95
31) Cyclohexane	7.98	56	812425	94.227	ug/l	97
32) 1,1,1-Trichloroethane	7.91	97	752183	94.060	ug/l	99
36) 1,1-Dichloropropene	8.11	75	677051	95.866	ug/l	99
37) Ethyl Acetate	7.30	43	270820	97.973	ug/l	98
38) Carbon Tetrachloride	8.10	117	698381	95.804	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	887194	105.136	ug/l	94
40) Benzene	8.36	78	1891143	95.525	ug/l	100
41) Methacrylonitrile	7.53	41	155918	110.997	ug/l #	87
42) 1,2-Dichloroethane	8.43	62	499551	95.895	ug/l	99
43) Isopropyl Acetate	8.46	43	507229	100.269	ug/l	100
44) Trichloroethene	9.11	130	538577	96.907	ug/l	98
45) 1,2-Dichloropropane	9.39	63	462653	96.222	ug/l	97
46) Dibromomethane	9.48	93	240166	96.069	ug/l	98
47) Bromodichloromethane	9.67	83	618477	95.293	ug/l	98
48) Methyl methacrylate	9.46	41	248048	103.656	ug/l	99
49) 1,4-Dioxane	9.47	88	58169	2021.425	ug/l	95
51) 4-Methyl-2-Pentanone	10.24	43	1317709	515.068	ug/l	100
52) Toluene	10.41	92	1219156	97.641	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	618403	101.266	ug/l	98
54) cis-1,3-Dichloropropene	10.10	75	740387	100.390	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	336932	95.297	ug/l	98
56) Ethyl methacrylate	10.67	69	437539	109.154	ug/l	98
57) 1,3-Dichloropropane	10.95	76	581433	96.903	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	603489	423.496	ug/l	99
59) 2-Hexanone	10.99	43	928876	523.751	ug/l	98
60) Dibromochloromethane	11.15	129	438556	96.331	ug/l	99
61) 1,2-Dibromoethane	11.26	107	329801	97.669	ug/l	99
64) Tetrachloroethene	10.88	164	461385	96.549	ug/l	99
65) Chlorobenzene	11.68	112	1263409	95.460	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.75	131	461888	95.589	ug/l	98
67) Ethyl Benzene	11.75	91	2303278	100.951	ug/l	100
68) m/p-Xylenes	11.86	106	1756076	199.648	ug/l	99
69) o-Xylene	12.18	106	800527	103.475	ug/l	99
70) Styrene	12.20	104	1386156	101.573	ug/l	100
71) Bromoform	12.37	173	262643	96.355	ug/l	99
73) Isopropylbenzene	12.48	105	2210285	104.121	ug/l	100
74) N-amyl acetate	12.30	43	467579	106.667	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	364440	96.777	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	255607m	57.258	ug/l	
77) Bromobenzene	12.77	156	520975	97.877	ug/l	99
78) n-propylbenzene	12.83	91	2588840	102.475	ug/l	100
79) 2-Chlorotoluene	12.91	91	1421093	99.992	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	1790584	102.457	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	126788	104.670	ug/l	97
82) 4-Chlorotoluene	13.01	91	1482027	98.908	ug/l	99
83) tert-Butylbenzene	13.23	119	1592476	107.925	ug/l	97
84) 1,2,4-Trimethylbenzene	13.28	105	1777956	103.057	ug/l	100
85) sec-Butylbenzene	13.41	105	2175190	103.284	ug/l	99
86) p-Isopropyltoluene	13.53	119	2020652	105.107	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	980067	96.408	ug/l	99
88) 1,4-Dichlorobenzene	13.61	146	976365	96.277	ug/l	99
89) n-Butylbenzene	13.85	91	1869415	105.369	ug/l	99
90) Hexachloroethane	14.13	117	388263	97.805	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	844610	96.917	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	55132	95.379	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	611303	104.276	ug/l	98
94) Hexachlorobutadiene	15.28	225	380194	99.143	ug/l	99
95) Naphthalene	15.41	128	1055654	111.979	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	527718	103.636	ug/l	98

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

