

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042220\
 Data File : VD065668.D
 Acq On : 22 Apr 2020 16:28
 Operator : VA/SY
 Sample : VSTDICC150
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 4/23/2020 1:31:47 PM

Quant Time: Apr 23 03:51:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042220S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 23 03:30:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	237475	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	323655	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	309327	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	157091	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	280034	139.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	279.10%	
35) Dibromofluoromethane	7.92	113	287984	142.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	285.60%	
50) Toluene-d8	10.34	98	1086473	145.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	291.18%	
62) 4-Bromofluorobenzene	12.64	95	365126	148.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	297.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	281607	147.214	ug/l	100
3) Chloromethane	2.21	50	286932	137.025	ug/l	96
4) Vinyl Chloride	2.35	62	321518	140.869	ug/l	99
5) Bromomethane	2.74	94	195993	155.737	ug/l	97
6) Chloroethane	2.91	64	194382	142.746	ug/l	97
7) Trichlorofluoromethane	3.27	101	464347	142.144	ug/l	97
8) Diethyl Ether	3.71	74	144950	218.099	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	307072	205.479	ug/l	98
10) Methyl Iodide	4.29	142	374712	185.758	ug/l	93
11) Tert butyl alcohol	5.24	59	86310	781.179	ug/l	98
12) 1,1-Dichloroethene	4.06	96	295385	219.814	ug/l	97
13) Acrolein	3.92	56	122743	1416.134	ug/l	99
14) Allyl chloride	4.71	41	499401	200.015	ug/l	92
15) Acrylonitrile	5.43	53	358894	845.616	ug/l	99
16) Acetone	4.16	43	269156	945.583	ug/l	96
17) Carbon Disulfide	4.40	76	992375	189.812	ug/l	100
18) Methyl Acetate	4.72	43	176823	189.404	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	682565	173.413	ug/l	96
20) Methylene Chloride	4.96	84	326221	145.570	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	345626	152.268	ug/l	97
22) Diisopropyl ether	6.37	45	980950	161.343	ug/l	99
23) Vinyl Acetate	6.31	43	2895761	893.735	ug/l	100
24) 1,1-Dichloroethane	6.27	63	573300	147.934	ug/l	100
25) 2-Butanone	7.22	43	431734	831.805	ug/l	99
26) 2,2-Dichloropropane	7.21	77	484917	143.693	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	372211	157.541	ug/l	97
28) Bromochloromethane	7.55	49	218676	138.216	ug/l	100
29) Tetrahydrofuran	7.57	42	293631	892.260	ug/l	99
30) Chloroform	7.71	83	577721	146.342	ug/l	98
31) Cyclohexane	7.98	56	552893	149.749	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	523914	146.894	ug/l	98
36) 1,1-Dichloropropene	8.11	75	467692	152.724	ug/l	99
37) Ethyl Acetate	7.30	43	207013	171.880	ug/l	98
38) Carbon Tetrachloride	8.10	117	487108	149.110	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	597475	168.987	ug/l	97
40) Benzene	8.36	78	1338246	152.665	ug/l	97
41) Methacrylonitrile	7.53	41	121671	191.591	ug/l	97
42) 1,2-Dichloroethane	8.43	62	370387	154.801	ug/l	100
43) Isopropyl Acetate	8.46	43	379045	173.992	ug/l	99
44) Trichloroethene	9.11	130	375122	152.743	ug/l	99
45) 1,2-Dichloropropane	9.39	63	326434	152.338	ug/l	98
46) Dibromomethane	9.48	93	175579	158.375	ug/l	100
47) Bromodichloromethane	9.67	83	452405	153.663	ug/l	97
48) Methyl methacrylate	9.46	41	186536	179.160	ug/l	99
49) 1,4-Dioxane	9.47	88	44439	3633.579	ug/l	93
51) 4-Methyl-2-Pentanone	10.23	43	989560	896.743	ug/l	99
52) Toluene	10.41	92	864326	159.760	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	450821	168.718	ug/l	100
54) cis-1,3-Dichloropropene	10.10	75	532031	162.799	ug/l	99
55) 1,1,2-Trichloroethane	10.81	97	247264	159.384	ug/l	99
56) Ethyl methacrylate	10.67	69	319358	191.833	ug/l	95
57) 1,3-Dichloropropane	10.95	76	425909	161.208	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	746830	848.559	ug/l	100
59) 2-Hexanone	10.99	43	674689	901.128	ug/l	97
60) Dibromochloromethane	11.14	129	323082	156.762	ug/l	99
61) 1,2-Dibromoethane	11.25	107	237290	158.108	ug/l	99
64) Tetrachloroethene	10.88	164	322075	150.479	ug/l	95
65) Chlorobenzene	11.68	112	904554	152.287	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	342376	150.828	ug/l	99
67) Ethyl Benzene	11.75	91	1641155	161.694	ug/l	100
68) m/p-Xylenes	11.86	106	1257116	320.189	ug/l	100
69) o-Xylene	12.18	106	573507	167.681	ug/l	100
70) Styrene	12.20	104	1012536	167.068	ug/l	100
71) Bromoform	12.37	173	199117	156.619	ug/l #	98
73) Isopropylbenzene	12.48	105	1543114	168.494	ug/l	100
74) N-amyl acetate	12.30	43	352389	182.636	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	259004	156.228	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	179940m	151.864	ug/l	
77) Bromobenzene	12.77	156	385931	159.216	ug/l	98
78) n-propylbenzene	12.83	91	1799595	162.390	ug/l	100
79) 2-Chlorotoluene	12.91	91	1002157	158.962	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	1268419	163.966	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	95734	172.547	ug/l	95
82) 4-Chlorotoluene	13.01	91	1049856	154.674	ug/l	99
83) tert-Butylbenzene	13.23	119	1081926	166.963	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	1268812	164.662	ug/l	100
85) sec-Butylbenzene	13.41	105	1501213	161.770	ug/l	100
86) p-Isopropyltoluene	13.53	119	1411668	161.925	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	715619	150.076	ug/l	99
88) 1,4-Dichlorobenzene	13.61	146	706632	149.107	ug/l	99
89) n-Butylbenzene	13.86	91	1291208	163.428	ug/l	100
90) Hexachloroethane	14.12	117	268992	146.703	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	623840	152.997	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	41313	164.289	ug/l	86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	458439	163.980	ug/l	100
94) Hexachlorobutadiene	15.28	225	288391	149.715	ug/l	99
95) Naphthalene	15.41	128	788178	192.250	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	402783	163.862	ug/l	99

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

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