

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050620\
 Data File : VD065700.D
 Acq On : 06 May 2020 16:32
 Operator : VA/SY
 Sample : VSTDICC150
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 5/7/2020 10:36:03 AM

Quant Time: May 06 16:59:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050620S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 06 16:21:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	457468	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	721363	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	641257	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	303618	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	673807	146.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	292.94%	
35) Dibromofluoromethane	7.92	113	648396	142.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	285.28%	
50) Toluene-d8	10.34	98	2521701	144.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	289.62%	
62) 4-Bromofluorobenzene	12.64	95	871142	140.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	280.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	510255	140.746	ug/l	98
3) Chloromethane	2.21	50	652811	143.165	ug/l	99
4) Vinyl Chloride	2.34	62	671633	145.797	ug/l	95
5) Bromomethane	2.74	94	405707	138.393	ug/l	99
6) Chloroethane	2.91	64	418074	140.440	ug/l	96
7) Trichlorofluoromethane	3.26	101	1033177	139.635	ug/l	98
8) Diethyl Ether	3.71	74	314937	135.182	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	627219	139.649	ug/l	99
10) Methyl Iodide	4.30	142	738554	174.134	ug/l	99
11) Tert butyl alcohol	5.23	59	226162	526.379	ug/l	99
12) 1,1-Dichloroethene	4.06	96	614062	139.009	ug/l	99
13) Acrolein	3.92	56	248909	645.769	ug/l	99
14) Allyl chloride	4.71	41	1224887	139.111	ug/l	99
15) Acrylonitrile	5.42	53	728642	663.348	ug/l	99
16) Acetone	4.16	43	616089	610.167	ug/l	99
17) Carbon Disulfide	4.41	76	2040903	140.777	ug/l	98
18) Methyl Acetate	4.71	43	323109	129.856	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	1467871	136.686	ug/l	97
20) Methylene Chloride	4.97	84	653544	129.605	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	694904	137.124	ug/l	98
22) Diisopropyl ether	6.37	45	2271883	138.677	ug/l	99
23) Vinyl Acetate	6.31	43	6907670	698.998	ug/l	100
24) 1,1-Dichloroethane	6.27	63	1256036	140.195	ug/l	99
25) 2-Butanone	7.22	43	961162	647.201	ug/l	100
26) 2,2-Dichloropropane	7.21	77	1108330	136.891	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	764958	139.479	ug/l	100
28) Bromochloromethane	7.55	49	535771	143.995	ug/l	99
29) Tetrahydrofuran	7.57	42	627862	657.462	ug/l	99
30) Chloroform	7.71	83	1206496	139.894	ug/l	99
31) Cyclohexane	7.98	56	1212531	129.179	ug/l	98
32) 1,1,1-Trichloroethane	7.91	97	1115099	139.405	ug/l	100
36) 1,1-Dichloropropene	8.11	75	992460	136.447	ug/l	99
37) Ethyl Acetate	7.30	43	445409	125.623	ug/l	98
38) Carbon Tetrachloride	8.10	117	994089	138.104	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	1255183	137.640	ug/l	98
40) Benzene	8.36	78	2742705	138.371	ug/l	100
41) Methacrylonitrile	7.53	41	289918	110.591	ug/l	85
42) 1,2-Dichloroethane	8.43	62	782423	136.962	ug/l	100
43) Isopropyl Acetate	8.46	43	923906	131.127	ug/l	99
44) Trichloroethene	9.11	130	760240	139.329	ug/l	95
45) 1,2-Dichloropropane	9.39	63	708587	138.210	ug/l	98
46) Dibromomethane	9.48	93	352090	136.672	ug/l	99
47) Bromodichloromethane	9.67	83	949314	138.009	ug/l	99
48) Methyl methacrylate	9.46	41	470675	133.819	ug/l	99
49) 1,4-Dioxane	9.47	88	82840	2604.182	ug/l	99
51) 4-Methyl-2-Pentanone	10.23	43	2223696	654.714	ug/l	100
52) Toluene	10.41	92	1743740	139.249	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	966618	138.869	ug/l	99
54) cis-1,3-Dichloropropene	10.10	75	1133387	138.094	ug/l	96
55) 1,1,2-Trichloroethane	10.81	97	478432	137.959	ug/l	98
56) Ethyl methacrylate	10.67	69	681707	135.813	ug/l	99
57) 1,3-Dichloropropane	10.95	76	860376	138.007	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	1614557	704.731	ug/l	100
59) 2-Hexanone	10.99	43	1509359	644.630	ug/l	99
60) Dibromochloromethane	11.15	129	639747	137.212	ug/l	100
61) 1,2-Dibromoethane	11.25	107	477266	136.566	ug/l	99
64) Tetrachloroethene	10.88	164	625726	134.798	ug/l	96
65) Chlorobenzene	11.68	112	1823292	139.474	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	680208	139.570	ug/l	99
67) Ethyl Benzene	11.75	91	3383072	138.582	ug/l	98
68) m/p-Xylenes	11.86	106	2491274	273.119	ug/l	100
69) o-Xylene	12.18	106	1173136	138.062	ug/l	100
70) Styrene	12.20	104	2025828	138.779	ug/l	99
71) Bromoform	12.37	173	374191	135.891	ug/l #	99
73) Isopropylbenzene	12.48	105	3199520	137.087	ug/l	100
74) N-amyl acetate	12.30	43	879685	131.142	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	516803	131.166	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	359526m	74.125	ug/l	
77) Bromobenzene	12.77	156	737224	137.870	ug/l	99
78) n-propylbenzene	12.83	91	3778059	137.547	ug/l	100
79) 2-Chlorotoluene	12.91	91	2156780	139.245	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	2636002	137.655	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	195863	132.589	ug/l	100
82) 4-Chlorotoluene	13.01	91	2238652	137.909	ug/l	99
83) tert-Butylbenzene	13.23	119	2240013	137.384	ug/l	98
84) 1,2,4-Trimethylbenzene	13.28	105	2617884	137.166	ug/l	99
85) sec-Butylbenzene	13.41	105	3146995	137.635	ug/l	100
86) p-Isopropyltoluene	13.53	119	2854594	136.889	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	1371693	136.231	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	1350257	135.866	ug/l	100
89) n-Butylbenzene	13.86	91	2771483	137.226	ug/l	100
90) Hexachloroethane	14.12	117	579635	140.051	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	1189535	137.034	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	89499	135.859	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	874263	133.738	ug/l	99
94) Hexachlorobutadiene	15.28	225	524086	139.188	ug/l	99
95) Naphthalene	15.41	128	1532017	133.245	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	752178	135.542	ug/l	100

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

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