

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030420\
 Data File : VD065409.D
 Acq On : 04 Mar 2020 12:55
 Operator : VA/SY
 Sample : VSTDIC150
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 3/5/2020 1:38:38 PM

Quant Time: Mar 04 16:29:47 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	7.99	168	508212	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	737720	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	664601	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	319175	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	624681	142.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	285.02%	
35) Dibromofluoromethane	7.92	113	651075	142.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	284.66%	
50) Toluene-d8	10.34	98	2557070	145.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	291.16%	
62) 4-Bromofluorobenzene	12.64	95	821740	149.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	299.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	549730	124.745	ug/l	99
3) Chloromethane	2.21	50	672967	127.482	ug/l	100
4) Vinyl Chloride	2.35	62	690657	132.313	ug/l	97
5) Bromomethane	2.74	94	401942	119.842	ug/l	96
6) Chloroethane	2.91	64	421556	132.325	ug/l	98
7) Trichlorofluoromethane	3.27	101	1003774	130.430	ug/l	100
8) Diethyl Ether	3.71	74	330457	143.806	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	650752	131.368	ug/l	99
10) Methyl Iodide	4.29	142	819549	160.236	ug/l	97
11) Tert butyl alcohol	5.26	59	204396	862.220	ug/l	97
12) 1,1-Dichloroethene	4.06	96	640803	135.196	ug/l	95
13) Acrolein	3.92	56	334219	772.769	ug/l	100
14) Allyl chloride	4.71	41	1056608	144.699	ug/l	99
15) Acrylonitrile	5.43	53	787450	780.035	ug/l	100
16) Acetone	4.17	43	658242	736.244	ug/l	99
17) Carbon Disulfide	4.40	76	2136274	135.009	ug/l	100
18) Methyl Acetate	4.72	43	344362	150.659	ug/l	100
19) Methyl tert-butyl Ether	5.49	73	1452742	157.685	ug/l	97
20) Methylene Chloride	4.96	84	682853	123.197	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	729267	137.934	ug/l	98
22) Diisopropyl ether	6.37	45	1999736	145.939	ug/l	96
23) Vinyl Acetate	6.31	43	6210331	817.244	ug/l	99
24) 1,1-Dichloroethane	6.27	63	1200419	137.922	ug/l	98
25) 2-Butanone	7.23	43	980997	802.002	ug/l	98
26) 2,2-Dichloropropane	7.21	77	1037118	136.331	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	779589	143.786	ug/l	99
28) Bromochloromethane	7.55	49	505105	143.060	ug/l	99
29) Tetrahydrofuran	7.57	42	648225	824.961	ug/l	98
30) Chloroform	7.71	83	1187320	135.651	ug/l	97
31) Cyclohexane	7.99	56	1172053	135.326	ug/l	95
32) 1,1,1-Trichloroethane	7.91	97	1083396	134.868	ug/l	98
36) 1,1-Dichloropropene	8.11	75	995922	140.371	ug/l	99
37) Ethyl Acetate	7.30	43	448155	161.386	ug/l	98
38) Carbon Tetrachloride	8.10	117	1003469	137.026	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	1274406	150.332	ug/l	97
40) Benzene	8.36	78	2760578	138.804	ug/l	100
41) Methacrylonitrile	7.53	41	245751	174.149	ug/l #	92
42) 1,2-Dichloroethane	8.43	62	743586	142.088	ug/l	100
43) Isopropyl Acetate	8.46	43	828842	163.096	ug/l	99
44) Trichloroethene	9.12	130	786771	140.918	ug/l	99
45) 1,2-Dichloropropane	9.39	63	683610	141.527	ug/l	97
46) Dibromomethane	9.48	93	364548	145.156	ug/l	98
47) Bromodichloromethane	9.67	83	929527	142.563	ug/l	96
48) Methyl methacrylate	9.46	41	391370	162.800	ug/l	99
49) 1,4-Dioxane	9.47	88	96171	3326.753	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	2139899	832.623	ug/l	99
52) Toluene	10.41	92	1779858	141.896	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	941633	153.492	ug/l	98
54) cis-1,3-Dichloropropene	10.10	75	1121000	151.304	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	515509	145.139	ug/l	99
56) Ethyl methacrylate	10.67	69	695442	172.701	ug/l	98
57) 1,3-Dichloropropane	10.95	76	893457	148.226	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	953567	666.104	ug/l	99
59) 2-Hexanone	10.99	43	1520564	853.458	ug/l	99
60) Dibromochloromethane	11.15	129	669098	146.299	ug/l	100
61) 1,2-Dibromoethane	11.25	107	507696	149.664	ug/l	98
64) Tetrachloroethene	10.88	164	663935	139.079	ug/l	100
65) Chlorobenzene	11.68	112	1849615	139.898	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.75	131	684211	141.747	ug/l	97
67) Ethyl Benzene	11.75	91	3335390	146.341	ug/l	99
68) m/p-Xylenes	11.86	106	2544885	289.630	ug/l	100
69) o-Xylene	12.19	106	1169303	151.300	ug/l	99
70) Styrene	12.20	104	2035245	149.292	ug/l	100
71) Bromoform	12.37	173	409370	150.341	ug/l #	99
73) Isopropylbenzene	12.48	105	3160993	150.794	ug/l	100
74) N-amyl acetate	12.30	43	755615	174.561	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	556354	149.612	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	391279m	88.760	ug/l	
77) Bromobenzene	12.77	156	763715	145.299	ug/l	99
78) n-propylbenzene	12.83	91	3662500	146.812	ug/l	100
79) 2-Chlorotoluene	12.91	91	2044719	145.695	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	2527048	146.430	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	200475	167.600	ug/l	99
82) 4-Chlorotoluene	13.01	91	2118440	143.172	ug/l	99
83) tert-Butylbenzene	13.23	119	2173285	149.155	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	2518773	147.848	ug/l	99
85) sec-Butylbenzene	13.41	105	3069961	147.618	ug/l	99
86) p-Isopropyltoluene	13.53	119	2827829	148.957	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	1401574	139.618	ug/l	100
88) 1,4-Dichlorobenzene	13.61	146	1396055	139.407	ug/l	99
89) n-Butylbenzene	13.86	91	2614892	149.256	ug/l	98
90) Hexachloroethane	14.12	117	553567	141.213	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	1223665	142.192	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	87846	153.900	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	899409	155.365	ug/l	99
94) Hexachlorobutadiene	15.28	225	539796	142.546	ug/l	99
95) Naphthalene	15.41	128	1682128	180.695	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	784456	156.008	ug/l	99

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

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