

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040920\
 Data File : VD065612.D
 Acq On : 09 Apr 2020 15:25
 Operator : VA/SY
 Sample : VSTDICV050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICSV040920

Manual Integrations
 APPROVED

MMDadoda
 4/10/2020 2:58:55 PM

Quant Time: Apr 10 01:46:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040920S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 10 01:39:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	517518	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	700456	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	651203	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	328149	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	220795	45.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.22%	
35) Dibromofluoromethane	7.91	113	232974	47.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.22%	
50) Toluene-d8	10.34	98	891323	49.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.76%	
62) 4-Bromofluorobenzene	12.64	95	283912	49.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	228810	49.031	ug/l	98
3) Chloromethane	2.21	50	264174	45.522	ug/l	99
4) Vinyl Chloride	2.35	62	254058	46.824	ug/l	98
5) Bromomethane	2.77	94	162613	42.496	ug/l	95
6) Chloroethane	2.92	64	156795	46.925	ug/l	95
7) Trichlorofluoromethane	3.27	101	386173	46.925	ug/l	94
8) Diethyl Ether	3.71	74	91711	53.938	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	256980	47.769	ug/l	99
10) Methyl Iodide	4.30	142	276322	46.065	ug/l	98
11) Tert butyl alcohol	5.25	59	67870	274.681	ug/l	97
12) 1,1-Dichloroethene	4.06	96	235068	47.376	ug/l	99
13) Acrolein	3.92	56	93902	273.787	ug/l	96
14) Allyl chloride	4.71	41	353644	48.049	ug/l	99
15) Acrylonitrile	5.43	53	233482	232.858	ug/l	99
16) Acetone	4.17	43	258528	292.513	ug/l	99
17) Carbon Disulfide	4.40	76	771281	46.718	ug/l	99
18) Methyl Acetate	4.72	43	119125	45.920	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	473675	49.382	ug/l	97
20) Methylene Chloride	4.96	84	249764	42.750	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	269799	47.910	ug/l	94
22) Diisopropyl ether	6.36	45	698990	49.408	ug/l	98
23) Vinyl Acetate	6.31	43	1920653	256.601	ug/l	100
24) 1,1-Dichloroethane	6.26	63	433707	46.079	ug/l	100
25) 2-Butanone	7.22	43	312476	258.304	ug/l	97
26) 2,2-Dichloropropane	7.21	77	406061	48.208	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	276667	48.004	ug/l	100
28) Bromochloromethane	7.54	49	172175	45.577	ug/l	99
29) Tetrahydrofuran	7.57	42	187400	246.517	ug/l	99
30) Chloroform	7.71	83	448518	45.510	ug/l	98
31) Cyclohexane	7.99	56	419911	48.093	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	418740	47.015	ug/l	99
36) 1,1-Dichloropropene	8.11	75	369950	51.300	ug/l	98
37) Ethyl Acetate	7.30	43	133016	49.678	ug/l	100
38) Carbon Tetrachloride	8.10	117	389381	49.727	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	449044	55.006	ug/l	97
40) Benzene	8.35	78	1019779	49.494	ug/l	99
41) Methacrylonitrile	7.53	41	68312m	45.090	ug/l	
42) 1,2-Dichloroethane	8.43	62	275550	47.880	ug/l	100
43) Isopropyl Acetate	8.46	43	248850	50.940	ug/l	100
44) Trichloroethene	9.11	130	289288	48.852	ug/l	93
45) 1,2-Dichloropropane	9.39	63	246551	49.142	ug/l	97
46) Dibromomethane	9.48	93	127870	47.416	ug/l	99
47) Bromodichloromethane	9.67	83	338249	47.831	ug/l	99
48) Methyl methacrylate	9.46	41	119867	52.904	ug/l	98
49) 1,4-Dioxane	9.47	88	29075	1018.016	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	662568	263.182	ug/l	100
52) Toluene	10.41	92	660306	50.686	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	317052	50.512	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	385003	50.096	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	176714	46.696	ug/l	98
56) Ethyl methacrylate	10.67	69	206388	46.018	ug/l	98
57) 1,3-Dichloropropane	10.95	76	298730	47.658	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	515654	257.262	ug/l	99
59) 2-Hexanone	10.99	43	472264	282.268	ug/l	100
60) Dibromochloromethane	11.14	129	240199	47.657	ug/l	98
61) 1,2-Dibromoethane	11.25	107	173473	48.222	ug/l	99
64) Tetrachloroethene	10.88	164	256509	49.522	ug/l	98
65) Chlorobenzene	11.67	112	689903	48.918	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	264306	49.196	ug/l	99
67) Ethyl Benzene	11.75	91	1232116	52.907	ug/l	99
68) m/p-Xylenes	11.86	106	970621	105.642	ug/l	99
69) o-Xylene	12.18	106	422376	53.349	ug/l	100
70) Styrene	12.20	104	755177	53.952	ug/l	99
71) Bromoform	12.37	173	142611	47.330	ug/l #	100
73) Isopropylbenzene	12.48	105	1179498	56.412	ug/l	100
74) N-amyl acetate	12.30	43	222485	47.111	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	183343	47.702	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	128245m	48.729	ug/l	
77) Bromobenzene	12.77	156	289237	50.459	ug/l	99
78) n-propylbenzene	12.83	91	1400431	55.498	ug/l	100
79) 2-Chlorotoluene	12.91	91	771599	53.354	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	980196	55.622	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	62764	55.241	ug/l	100
82) 4-Chlorotoluene	13.01	91	817096	52.493	ug/l	99
83) tert-Butylbenzene	13.23	119	825205	56.001	ug/l	98
84) 1,2,4-Trimethylbenzene	13.28	105	977932	55.843	ug/l	99
85) sec-Butylbenzene	13.41	105	1172924	55.939	ug/l	100
86) p-Isopropyltoluene	13.53	119	1096816	56.684	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	560727	50.727	ug/l	100
88) 1,4-Dichlorobenzene	13.61	146	542656	49.151	ug/l	100
89) n-Butylbenzene	13.86	91	992895	56.859	ug/l	99
90) Hexachloroethane	14.13	117	213585	50.600	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	470731	50.056	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	28505	48.080	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	324927	52.602	ug/l	100
94) Hexachlorobutadiene	15.28	225	216400	50.401	ug/l	99
95) Naphthalene	15.42	128	503347	47.427	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	281400	52.628	ug/l	99

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

