

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041520\
 Data File : VD065639.D
 Acq On : 15 Apr 2020 17:51
 Operator : VA/SY
 Sample : VSTDICV050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD041520

Manual Integrations
 APPROVED

MMDadoda
 4/16/2020 3:13:44 PM

Quant Time: Apr 16 04:01:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 15 19:43:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	246087	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	338748	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	321802	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	166893	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	99304	47.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.88%	
35) Dibromofluoromethane	7.92	113	102776	48.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.50%	
50) Toluene-d8	10.34	98	381805	49.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.26%	
62) 4-Bromofluorobenzene	12.64	95	125443	48.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	108925	53.154	ug/l	99
3) Chloromethane	2.21	50	111055	49.659	ug/l	99
4) Vinyl Chloride	2.35	62	119577	49.218	ug/l	100
5) Bromomethane	2.77	94	68603	51.989	ug/l	96
6) Chloroethane	2.93	64	70804	49.019	ug/l	98
7) Trichlorofluoromethane	3.27	101	169524	48.942	ug/l	99
8) Diethyl Ether	3.71	74	35215	49.497	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	78262	49.564	ug/l	99
10) Methyl Iodide	4.30	142	91383	37.051	ug/l	98
11) Tert butyl alcohol	5.25	59	26599	243.739	ug/l	99
12) 1,1-Dichloroethene	4.07	96	69978	49.303	ug/l	91
13) Acrolein	3.93	56	23375	252.299	ug/l	98
14) Allyl chloride	4.71	41	169422	59.783	ug/l	91
15) Acrylonitrile	5.43	53	118550	276.703	ug/l	99
16) Acetone	4.16	43	65999	220.444	ug/l	99
17) Carbon Disulfide	4.40	76	288359	46.593	ug/l	99
18) Methyl Acetate	4.72	43	60679	55.077	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	228284	56.797	ug/l	99
20) Methylene Chloride	4.96	84	122304	62.244	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	124825	54.426	ug/l	93
22) Diisopropyl ether	6.37	45	353073	53.898	ug/l	97
23) Vinyl Acetate	6.31	43	961645	250.230	ug/l	100
24) 1,1-Dichloroethane	6.27	63	209953	50.728	ug/l	98
25) 2-Butanone	7.22	43	138766	248.408	ug/l	100
26) 2,2-Dichloropropane	7.21	77	173433	48.078	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	131022	51.495	ug/l	98
28) Bromochloromethane	7.55	49	83837	50.720	ug/l	98
29) Tetrahydrofuran	7.57	42	93500	263.793	ug/l	99
30) Chloroform	7.71	83	214133	50.553	ug/l	100
31) Cyclohexane	7.98	56	191446	48.560	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	191454	50.270	ug/l	99
36) 1,1-Dichloropropene	8.11	75	170027	51.982	ug/l	99
37) Ethyl Acetate	7.30	43	70981	54.416	ug/l	98
38) Carbon Tetrachloride	8.10	117	179248	51.160	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	199789	52.489	ug/l	97
40) Benzene	8.36	78	488639	51.959	ug/l	98
41) Methacrylonitrile	7.53	41	38668m	59.853	ug/l	
42) 1,2-Dichloroethane	8.43	62	136442	52.939	ug/l	99
43) Isopropyl Acetate	8.46	43	121687	51.805	ug/l	97
44) Trichloroethene	9.11	130	133941	50.880	ug/l	98
45) 1,2-Dichloropropane	9.39	63	120360	52.149	ug/l	99
46) Dibromomethane	9.48	93	63195	52.947	ug/l	99
47) Bromodichloromethane	9.67	83	167600	52.733	ug/l	98
48) Methyl methacrylate	9.46	41	59651	47.561	ug/l	93
49) 1,4-Dioxane	9.47	88	14200	978.330	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	325701	248.409	ug/l	100
52) Toluene	10.41	92	310957	53.637	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	153935	52.748	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	187383	53.054	ug/l	100
55) 1,1,2-Trichloroethane	10.80	97	87876	52.054	ug/l	99
56) Ethyl methacrylate	10.67	69	102446	48.581	ug/l	99
57) 1,3-Dichloropropane	10.95	76	152022	52.884	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	241823	239.040	ug/l	99
59) 2-Hexanone	10.99	43	219971	244.430	ug/l	98
60) Dibromochloromethane	11.14	129	117436	52.817	ug/l	99
61) 1,2-Dibromoethane	11.25	107	84891	52.260	ug/l	99
64) Tetrachloroethene	10.88	164	117200	50.758	ug/l	98
65) Chlorobenzene	11.67	112	331374	52.010	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	124604	51.151	ug/l	99
67) Ethyl Benzene	11.75	91	576931	52.984	ug/l	97
68) m/p-Xylenes	11.86	106	456567	108.534	ug/l	99
69) o-Xylene	12.18	106	200298	54.266	ug/l	99
70) Styrene	12.20	104	365158	55.891	ug/l	100
71) Bromoform	12.37	173	71107	51.958	ug/l #	99
73) Isopropylbenzene	12.48	105	544478	54.092	ug/l	100
74) N-amyl acetate	12.30	43	113639	48.281	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	93524	51.171	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	74419m	55.459	ug/l	
77) Bromobenzene	12.77	156	138580	51.844	ug/l	98
78) n-propylbenzene	12.83	91	651661	53.516	ug/l	99
79) 2-Chlorotoluene	12.91	91	369955	53.500	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	455722	53.649	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.54	75	31987	52.243	ug/l	98
82) 4-Chlorotoluene	13.01	91	388608	52.223	ug/l	99
83) tert-Butylbenzene	13.23	119	381327	53.540	ug/l	100
84) 1,2,4-Trimethylbenzene	13.28	105	463665	54.751	ug/l	100
85) sec-Butylbenzene	13.41	105	544292	53.416	ug/l	100
86) p-Isopropyltoluene	13.53	119	513573	53.705	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	270240	51.636	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	265427	50.953	ug/l	98
89) n-Butylbenzene	13.86	91	463798	53.437	ug/l	100
90) Hexachloroethane	14.12	117	100905	50.314	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	233786	52.097	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	13926	50.383	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	162410	52.619	ug/l	98
94) Hexachlorobutadiene	15.28	225	108397	51.220	ug/l	99
95) Naphthalene	15.41	128	248538	47.237	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	143291	52.621	ug/l	99

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

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