

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100120\
 Data File : VD066991.D
 Acq On : 01 Oct 2020 14:36
 Operator : VA/SY
 Sample : VSTDICV050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD100120

Manual Integrations
 APPROVED

MMDadoda
 10/2/2020 3:13:28 PM

Quant Time: Oct 02 00:48:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 15:19:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	501956	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	774365	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	707729	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	335950	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	243693	50.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.80%	
35) Dibromofluoromethane	7.91	113	263079	51.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.78%	
50) Toluene-d8	10.34	98	975869	52.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.66%	
62) 4-Bromofluorobenzene	12.63	95	330947	52.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	209930	52.166	ug/l	95
3) Chloromethane	2.21	50	193124	48.311	ug/l	94
4) Vinyl Chloride	2.35	62	190702	47.577	ug/l	100
5) Bromomethane	2.77	94	138248	53.842	ug/l	99
6) Chloroethane	2.93	64	115037	47.127	ug/l	97
7) Trichlorofluoromethane	3.27	101	411158	46.170	ug/l	96
8) Diethyl Ether	3.71	74	109886	49.759	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.10	101	241815	48.042	ug/l	98
10) Methyl Iodide	4.30	142	232027	47.442	ug/l	99
11) Tert butyl alcohol	5.21	59	68762	240.907	ug/l	97
12) 1,1-Dichloroethene	4.07	96	224795	47.507	ug/l	95
13) Acrolein	3.92	56	72198	223.014	ug/l	100
14) Allyl chloride	4.71	41	310884	50.575	ug/l	99
15) Acrylonitrile	5.43	53	200976	247.273	ug/l	97
16) Acetone	4.16	43	179953	243.826	ug/l	99
17) Carbon Disulfide	4.41	76	702478	48.375	ug/l	100
18) Methyl Acetate	4.73	43	94137	50.749	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	447305	51.783	ug/l	99
20) Methylene Chloride	4.97	84	277746	53.548	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	263474	48.927	ug/l	96
22) Diisopropyl ether	6.36	45	580037	51.686	ug/l	98
23) Vinyl Acetate	6.31	43	1726513	271.496	ug/l	100
24) 1,1-Dichloroethane	6.27	63	417641	48.222	ug/l	99
25) 2-Butanone	7.21	43	254598	243.316	ug/l	97
26) 2,2-Dichloropropane	7.21	77	383817	51.991	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	285238	49.597	ug/l	99
28) Bromochloromethane	7.55	49	178740	53.440	ug/l	99
29) Tetrahydrofuran	7.56	42	156979	260.913	ug/l	99
30) Chloroform	7.71	83	458311	48.782	ug/l	100
31) Cyclohexane	7.98	56	337001	46.413	ug/l	95
32) 1,1,1-Trichloroethane	7.90	97	422951	48.576	ug/l	99
36) 1,1-Dichloropropene	8.11	75	352399	48.823	ug/l	98
37) Ethyl Acetate	7.29	43	125168	50.057	ug/l	98
38) Carbon Tetrachloride	8.10	117	383021	49.044	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	396710	51.986	ug/l	97
40) Benzene	8.35	78	1001262	49.943	ug/l	99
41) Methacrylonitrile	7.53	41	72455m	53.635	ug/l	
42) 1,2-Dichloroethane	8.42	62	272737	48.685	ug/l	100
43) Isopropyl Acetate	8.45	43	235546	51.134	ug/l	99
44) Trichloroethene	9.11	130	292752	48.901	ug/l	98
45) 1,2-Dichloropropane	9.38	63	243088	51.605	ug/l	98
46) Dibromomethane	9.47	93	136368	50.369	ug/l	99
47) Bromodichloromethane	9.66	83	348230	49.480	ug/l	99
48) Methyl methacrylate	9.45	41	113748	48.199	ug/l #	85
49) 1,4-Dioxane	9.46	88	29185	1032.854	ug/l	92
51) 4-Methyl-2-Pentanone	10.23	43	599089	261.102	ug/l	100
52) Toluene	10.40	92	662911	51.331	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	324863	51.649	ug/l	94
54) cis-1,3-Dichloropropene	10.09	75	386884	50.371	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	185755	49.349	ug/l	97
56) Ethyl methacrylate	10.66	69	218260	56.163	ug/l	98
57) 1,3-Dichloropropane	10.94	76	308945	50.614	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	575316	265.980	ug/l	99
59) 2-Hexanone	10.98	43	408150	266.518	ug/l	98
60) Dibromochloromethane	11.14	129	252321	50.294	ug/l	98
61) 1,2-Dibromoethane	11.24	107	184581	51.042	ug/l	100
64) Tetrachloroethene	10.87	164	246582	47.925	ug/l	91
65) Chlorobenzene	11.67	112	699283	49.680	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	266724	49.815	ug/l	99
67) Ethyl Benzene	11.74	91	1250571	51.853	ug/l	98
68) m/p-Xylenes	11.85	106	975254	103.762	ug/l	99
69) o-Xylene	12.18	106	441651	52.546	ug/l	97
70) Styrene	12.20	104	766764	53.127	ug/l	98
71) Bromoform	12.36	173	136808	49.224	ug/l #	99
73) Isopropylbenzene	12.48	105	1203309	52.750	ug/l	100
74) N-amyl acetate	12.29	43	219589	53.549	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	187184	48.703	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	123750m	42.290	ug/l	
77) Bromobenzene	12.76	156	281839	51.168	ug/l	99
78) n-propylbenzene	12.82	91	1405739	52.143	ug/l	100
79) 2-Chlorotoluene	12.91	91	795185	51.553	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	1009742	52.392	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	60869	51.860	ug/l	96
82) 4-Chlorotoluene	13.01	91	837739	51.047	ug/l	100
83) tert-Butylbenzene	13.23	119	848927	52.307	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	1009626	52.492	ug/l	99
85) sec-Butylbenzene	13.40	105	1199566	52.485	ug/l	100
86) p-Isopropyltoluene	13.52	119	1109456	52.358	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	532484	49.631	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	531586	49.553	ug/l	99
89) n-Butylbenzene	13.85	91	1019444	52.642	ug/l	99
90) Hexachloroethane	14.11	117	190096	51.215	ug/l	98
91) 1,2-Dichlorobenzene	13.89	146	468380	49.988	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	28852	46.569	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	317533	52.392	ug/l	100
94) Hexachlorobutadiene	15.28	225	189692	50.963	ug/l	98
95) Naphthalene	15.41	128	561329	55.527	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	274351	52.145	ug/l	97

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

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