

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110320\
 Data File : VD067507.D
 Acq On : 03 Nov 2020 13:24
 Operator : VA/SY
 Sample : VSTDICV050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD110320

Manual Integrations
 APPROVED

MMDadoda
 11/4/2020 10:43:33 AM

Quant Time: Nov 04 01:01:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 00:56:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	360308	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	522925	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	465980	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	233195	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	150232	47.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.38%	
35) Dibromofluoromethane	7.92	113	155928	49.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.98%	
50) Toluene-d8	10.34	98	541901	48.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.88%	
62) 4-Bromofluorobenzene	12.64	95	192169	50.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	154788	53.379	ug/l	94
3) Chloromethane	2.21	50	109478	48.793	ug/l	97
4) Vinyl Chloride	2.35	62	121822	48.699	ug/l	100
5) Bromomethane	2.77	94	97874	48.272	ug/l	96
6) Chloroethane	2.93	64	75637	49.044	ug/l	99
7) Trichlorofluoromethane	3.28	101	323782	49.989	ug/l	92
8) Diethyl Ether	3.71	74	64418	49.358	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.10	101	168087	51.411	ug/l	98
10) Methyl Iodide	4.30	142	182254	52.011	ug/l	98
11) Tert butyl alcohol	5.22	59	33488	246.364	ug/l #	96
12) 1,1-Dichloroethene	4.07	96	152889	50.839	ug/l	97
13) Acrolein	3.93	56	37446	265.768	ug/l	97
14) Allyl chloride	4.72	41	173183	53.807	ug/l	97
15) Acrylonitrile	5.42	53	123428	255.838	ug/l	100
16) Acetone	4.16	43	123286	261.501	ug/l	94
17) Carbon Disulfide	4.41	76	466791	50.654	ug/l	100
18) Methyl Acetate	4.71	43	46545	47.776	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	307604	51.856	ug/l	95
20) Methylene Chloride	4.97	84	164834	49.495	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	178403	50.933	ug/l	97
22) Diisopropyl ether	6.36	45	328585	52.388	ug/l	98
23) Vinyl Acetate	6.31	43	907123	276.297	ug/l	99
24) 1,1-Dichloroethane	6.27	63	256006	49.892	ug/l	98
25) 2-Butanone	7.21	43	131625	261.284	ug/l	96
26) 2,2-Dichloropropane	7.21	77	274913	50.765	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	186047	51.173	ug/l	97
28) Bromochloromethane	7.55	49	92953	50.928	ug/l	97
29) Tetrahydrofuran	7.57	42	80692	267.409	ug/l	98
30) Chloroform	7.72	83	314037	51.301	ug/l	98
31) Cyclohexane	7.99	56	227765	49.846	ug/l	93
32) 1,1,1-Trichloroethane	7.91	97	315490	49.951	ug/l	99
36) 1,1-Dichloropropene	8.12	75	233465	52.158	ug/l	99
37) Ethyl Acetate	7.30	43	57759	49.703	ug/l	98
38) Carbon Tetrachloride	8.10	117	301690	51.875	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	293408	55.693	ug/l	96
40) Benzene	8.36	78	633492	52.247	ug/l	98
41) Methacrylonitrile	7.53	41	33256	47.875	ug/l	99
42) 1,2-Dichloroethane	8.43	62	188773	50.391	ug/l	100
43) Isopropyl Acetate	8.46	43	123985	53.947	ug/l	99
44) Trichloroethene	9.12	130	205305	51.497	ug/l	94
45) 1,2-Dichloropropane	9.39	63	140692	53.669	ug/l	99
46) Dibromomethane	9.48	93	85405	51.239	ug/l	100
47) Bromodichloromethane	9.67	83	238601	52.667	ug/l	97
48) Methyl methacrylate	9.46	41	59344	50.010	ug/l	93
49) 1,4-Dioxane	9.46	88	18185	1074.705	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	296888	270.107	ug/l	100
52) Toluene	10.41	92	435354	53.607	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	208037	53.617	ug/l	96
54) cis-1,3-Dichloropropene	10.10	75	240382	52.144	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	113498	51.464	ug/l	98
56) Ethyl methacrylate	10.67	69	119134	52.311	ug/l	98
57) 1,3-Dichloropropane	10.95	76	181752	51.214	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.95	63	285507	268.830	ug/l	97
59) 2-Hexanone	10.99	43	212247	276.174	ug/l	100
60) Dibromochloromethane	11.14	129	168433	51.629	ug/l	98
61) 1,2-Dibromoethane	11.25	107	113550	51.301	ug/l	99
64) Tetrachloroethene	10.88	164	182784	52.965	ug/l	96
65) Chlorobenzene	11.68	112	469662	52.324	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	181947	51.430	ug/l	97
67) Ethyl Benzene	11.75	91	839691	54.668	ug/l	100
68) m/p-Xylenes	11.86	106	647107	108.291	ug/l	98
69) o-Xylene	12.18	106	293023	54.923	ug/l	99
70) Styrene	12.20	104	503686	54.179	ug/l	99
71) Bromoform	12.37	173	94192	52.205	ug/l #	99
73) Isopropylbenzene	12.48	105	839638	55.712	ug/l	99
74) N-amyl acetate	12.29	43	108593	54.759	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	109052	53.064	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	82089m	58.353	ug/l	
77) Bromobenzene	12.77	156	196205	53.011	ug/l	99
78) n-propylbenzene	12.83	91	956467	55.484	ug/l	99
79) 2-Chlorotoluene	12.91	91	545137	55.670	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	717024	55.694	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	36396	52.527	ug/l	97
82) 4-Chlorotoluene	13.01	91	582250	55.440	ug/l	98
83) tert-Butylbenzene	13.23	119	622328	57.036	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	709163	55.337	ug/l	98
85) sec-Butylbenzene	13.41	105	831914	56.479	ug/l	99
86) p-Isopropyltoluene	13.52	119	786784	55.314	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	373263	52.851	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	373201	52.187	ug/l	99
89) n-Butylbenzene	13.85	91	699362	56.923	ug/l	99
90) Hexachloroethane	14.11	117	145938	54.483	ug/l	100
91) 1,2-Dichlorobenzene	13.89	146	322058	52.690	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	19355	53.193	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	230728	55.616	ug/l	99
94) Hexachlorobutadiene	15.27	225	148973	53.655	ug/l	98
95) Naphthalene	15.41	128	362116	56.561	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	194936	54.872	ug/l	98

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

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