

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112320\
 Data File : VD067736.D
 Acq On : 23 Nov 2020 09:55
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD05006

Quant Time: Nov 24 00:52:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112320S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 24 00:51:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	227921	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	323453	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	296210	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	157173	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	102390	46.20	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	92.40%
35) Dibromofluoromethane	7.92	113	97795	47.51	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.02%
50) Toluene-d8	10.34	98	332311	44.16	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	88.32%
62) 4-Bromofluorobenzene	12.64	95	123388	47.97	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	95.94%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	95252	48.023	ug/l	96
3) Chloromethane	2.20	50	53233	48.208	ug/l	97
4) Vinyl Chloride	2.35	62	66727	48.225	ug/l	93
5) Bromomethane	2.77	94	57859	49.080	ug/l	96
6) Chloroethane	2.93	64	45555	49.399	ug/l	96
7) Trichlorofluoromethane	3.27	101	222317	52.652	ug/l	98
8) Diethyl Ether	3.70	74	41621	48.823	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	102610	50.749	ug/l	99
10) Methyl Iodide	4.30	142	98402	47.548	ug/l	97
11) Tert butyl alcohol	5.22	59	29278	251.693	ug/l #	93
12) 1,1-Dichloroethene	4.06	96	94477	50.498	ug/l	96
13) Acrolein	3.92	56	17950	195.414	ug/l	94
14) Allyl chloride	4.71	41	91186	50.420	ug/l	97
15) Acrylonitrile	5.41	53	77905	262.381	ug/l	99
16) Acetone	4.16	43	94538	330.215	ug/l	99
17) Carbon Disulfide	4.41	76	253089	46.771	ug/l	96
18) Methyl Acetate	4.71	43	30820	53.509	ug/l	96
19) Methyl tert-butyl Ether	5.47	73	208316	52.099	ug/l	95
20) Methylene Chloride	4.96	84	106367	48.936	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	109390	51.428	ug/l	92
22) Diisopropyl ether	6.36	45	191173	53.551	ug/l	98
23) Vinyl Acetate	6.30	43	545412	270.842	ug/l	99
24) 1,1-Dichloroethane	6.26	63	161786	53.454	ug/l	99
25) 2-Butanone	7.21	43	85888	267.345	ug/l	92
26) 2,2-Dichloropropane	7.21	77	194608	54.502	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	119726	52.808	ug/l	99
28) Bromochloromethane	7.54	49	56353	58.125	ug/l	98
29) Tetrahydrofuran	7.56	42	49082	268.711	ug/l	99
30) Chloroform	7.71	83	210194	53.108	ug/l	92
31) Cyclohexane	7.98	56	124402	46.394	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	222302	53.035	ug/l	98
36) 1,1-Dichloropropene	8.11	75	146919	52.933	ug/l	98
37) Ethyl Acetate	7.30	43	37607	50.389	ug/l	96
38) Carbon Tetrachloride	8.10	117	216561	53.826	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	165300	50.324	ug/l	95
40) Benzene	8.35	78	406104	53.273	ug/l	97
41) Methacrylonitrile	7.52	41	19450	51.036	ug/l #	85
42) 1,2-Dichloroethane	8.43	62	135071	52.221	ug/l	99
43) Isopropyl Acetate	8.45	43	74628	50.071	ug/l	95
44) Trichloroethene	9.11	130	133273	52.750	ug/l	93
45) 1,2-Dichloropropane	9.38	63	81585	52.159	ug/l	92
46) Dibromomethane	9.48	93	55148	51.787	ug/l	93
47) Bromodichloromethane	9.67	83	160385	54.085	ug/l	94
48) Methyl methacrylate	9.46	41	38606	51.811	ug/l	98
49) 1,4-Dioxane	9.47	88	12345	1069.695	ug/l	99
51) 4-Methyl-2-Pentanone	10.23	43	183215	261.237	ug/l	96
52) Toluene	10.41	92	279893	54.123	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	137758	53.173	ug/l	96
54) cis-1,3-Dichloropropene	10.09	75	155073	52.890	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	75614	52.920	ug/l	99
56) Ethyl methacrylate	10.67	69	78240	52.889	ug/l	98
57) 1,3-Dichloropropane	10.95	76	118500	52.599	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	174763	252.837	ug/l	98
59) 2-Hexanone	10.99	43	147850	298.588	ug/l	97
60) Dibromochloromethane	11.14	129	115584	53.085	ug/l	100
61) 1,2-Dibromoethane	11.25	107	72056	51.181	ug/l	97
64) Tetrachloroethene	10.88	164	117573	51.141	ug/l	89
65) Chlorobenzene	11.67	112	310749	53.377	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	129458	54.973	ug/l	97
67) Ethyl Benzene	11.75	91	548736	54.598	ug/l	99
68) m/p-Xylenes	11.86	106	424337	108.495	ug/l	100
69) o-Xylene	12.18	106	192720	54.119	ug/l	100
70) Styrene	12.20	104	332937	54.890	ug/l	99
71) Bromoform	12.37	173	67401	52.723	ug/l #	98
73) Isopropylbenzene	12.48	105	553470	53.520	ug/l	99
74) N-amyl acetate	12.29	43	67060	49.173	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	70146	50.542	ug/l	94
76) 1,2,3-Trichloropropane	12.78	75	103747	94.710	ug/l #	100
77) Bromobenzene	12.77	156	135122	52.197	ug/l	100
78) n-propylbenzene	12.82	91	612720	53.256	ug/l	99
79) 2-Chlorotoluene	12.91	91	351688	51.629	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	470724	52.334	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	22825	48.736	ug/l	91
82) 4-Chlorotoluene	13.01	91	373144	51.410	ug/l	99
83) tert-Butylbenzene	13.23	119	397966	51.490	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	469495	52.252	ug/l	99
85) sec-Butylbenzene	13.40	105	529223	52.120	ug/l	99
86) p-Isopropyltoluene	13.52	119	513545	52.217	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	250253	49.950	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	250761	50.527	ug/l	99
89) n-Butylbenzene	13.84	91	435517	51.676	ug/l	99
90) Hexachloroethane	14.11	117	94755	50.612	ug/l	100
91) 1,2-Dichlorobenzene	13.89	146	216527	50.170	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.50	75	14763	49.339	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	153609	50.267	ug/l	100
94) Hexachlorobutadiene	15.27	225	102214	52.351	ug/l	98
95) Naphthalene	15.40	128	249204	50.389	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	132927	51.067	ug/l	98

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

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