

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112320\
 Data File : VD067743.D
 Acq On : 23 Nov 2020 14:05
 Operator : VA/SY
 Sample : VSTDICV050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD112320

Manual Integrations
 APPROVED

MMDadoda
 11/24/2020 2:56:37 PM

Quant Time: Nov 24 01:01:45 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	279351	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	407633	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	373120	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	184819	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	139704	51.43	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	102.86%
35) Dibromofluoromethane	7.92	113	132476	51.07	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.14%
50) Toluene-d8	10.34	98	483935	51.02	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	102.04%
62) 4-Bromofluorobenzene	12.64	95	167318	51.61	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	103.22%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	122635	50.446	ug/l	95
3) Chloromethane	2.20	50	72504	53.572	ug/l	96
4) Vinyl Chloride	2.35	62	87574	51.639	ug/l	100
5) Bromomethane	2.77	94	72700	50.315	ug/l	96
6) Chloroethane	2.92	64	55690	49.271	ug/l	100
7) Trichlorofluoromethane	3.27	101	249825	48.274	ug/l	98
8) Diethyl Ether	3.71	74	51332	49.129	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.10	101	122050	49.251	ug/l	99
10) Methyl Iodide	4.30	142	125153	49.340	ug/l	99
11) Tert butyl alcohol	5.22	59	34849	242.979	ug/l #	84
12) 1,1-Dichloroethene	4.07	96	112156	48.911	ug/l	98
13) Acrolein	3.91	56	26896	238.899	ug/l	98
14) Allyl chloride	4.71	41	116356	52.493	ug/l	100
15) Acrylonitrile	5.42	53	93835	257.850	ug/l	99
16) Acetone	4.16	43	87243	248.631	ug/l	91
17) Carbon Disulfide	4.41	76	332596	50.148	ug/l	100
18) Methyl Acetate	4.71	43	34655	49.090	ug/l	94
19) Methyl tert-butyl Ether	5.48	73	253961	51.821	ug/l	97
20) Methylene Chloride	4.96	84	128910	48.294	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	129389	49.631	ug/l	96
22) Diisopropyl ether	6.36	45	229458	52.441	ug/l	96
23) Vinyl Acetate	6.30	43	670043	271.474	ug/l	97
24) 1,1-Dichloroethane	6.27	63	189126	50.982	ug/l	98
25) 2-Butanone	7.21	43	97292	247.088	ug/l	93
26) 2,2-Dichloropropane	7.21	77	212752	48.614	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	139609	50.241	ug/l	99
28) Bromochloromethane	7.55	49	61535	51.785	ug/l	93
29) Tetrahydrofuran	7.56	42	59734	266.820	ug/l	99
30) Chloroform	7.71	83	236021	48.654	ug/l	99
31) Cyclohexane	7.98	56	154117	46.894	ug/l	98
32) 1,1,1-Trichloroethane	7.91	97	248954	48.458	ug/l	99
36) 1,1-Dichloropropene	8.11	75	172526	49.322	ug/l	100
37) Ethyl Acetate	7.30	43	45548	48.426	ug/l	96
38) Carbon Tetrachloride	8.10	117	241998	47.727	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	205635	49.675	ug/l	98
40) Benzene	8.35	78	467788	48.693	ug/l	98
41) Methacrylonitrile	7.52	41	26537	55.252	ug/l	94
42) 1,2-Dichloroethane	8.43	62	155886	47.822	ug/l	99
43) Isopropyl Acetate	8.46	43	92733	49.370	ug/l	100
44) Trichloroethene	9.11	130	149645	46.999	ug/l	97
45) 1,2-Dichloropropane	9.39	63	97359	49.389	ug/l	91
46) Dibromomethane	9.48	93	66208	49.333	ug/l	99
47) Bromodichloromethane	9.67	83	182364	48.797	ug/l	92
48) Methyl methacrylate	9.46	41	44249	47.120	ug/l	98
49) 1,4-Dioxane	9.46	88	14554	1000.675	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	221691	250.821	ug/l	99
52) Toluene	10.41	92	325881	50.003	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	157196	48.145	ug/l	96
54) cis-1,3-Dichloropropene	10.09	75	179259	48.513	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	87171	48.409	ug/l	97
56) Ethyl methacrylate	10.67	69	94130	50.490	ug/l	99
57) 1,3-Dichloropropane	10.95	76	140400	49.450	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	245635	281.983	ug/l	100
59) 2-Hexanone	10.98	43	154288	247.243	ug/l	99
60) Dibromochloromethane	11.14	129	132256	48.198	ug/l	99
61) 1,2-Dibromoethane	11.25	107	85494	48.185	ug/l	96
64) Tetrachloroethene	10.88	164	137176	47.369	ug/l #	83
65) Chlorobenzene	11.67	112	359404	49.009	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	144402	48.679	ug/l	99
67) Ethyl Benzene	11.75	91	621320	49.077	ug/l	99
68) m/p-Xylenes	11.86	106	487438	98.939	ug/l	99
69) o-Xylene	12.18	106	223018	49.718	ug/l	98
70) Styrene	12.20	104	382631	50.079	ug/l	99
71) Bromoform	12.36	173	75735	47.030	ug/l #	98
73) Isopropylbenzene	12.48	105	629495	51.766	ug/l	99
74) N-amyl acetate	12.29	43	79819	49.774	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	79289	48.584	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	62656m	48.642	ug/l	
77) Bromobenzene	12.76	156	154307	50.692	ug/l	100
78) n-propylbenzene	12.83	91	707002	52.258	ug/l	100
79) 2-Chlorotoluene	12.91	91	408916	51.051	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	552552	52.243	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	27418	49.785	ug/l	98
82) 4-Chlorotoluene	13.01	91	435571	51.034	ug/l	100
83) tert-Butylbenzene	13.23	119	455401	50.107	ug/l	96
84) 1,2,4-Trimethylbenzene	13.27	105	541381	51.240	ug/l	99
85) sec-Butylbenzene	13.40	105	613464	51.379	ug/l	100
86) p-Isopropyltoluene	13.52	119	588498	50.888	ug/l	98
87) 1,3-Dichlorobenzene	13.52	146	287790	48.850	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	287119	49.199	ug/l	98
89) n-Butylbenzene	13.84	91	513911	51.856	ug/l	99
90) Hexachloroethane	14.11	117	111293	50.553	ug/l	97
91) 1,2-Dichlorobenzene	13.89	146	250978	49.454	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	17595	50.008	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	183135	50.965	ug/l	100
94) Hexachlorobutadiene	15.27	225	113393	49.389	ug/l	99
95) Naphthalene	15.40	128	298500	51.328	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	156724	51.203	ug/l	99

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

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