

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101320\
 Data File : VD067249.D
 Acq On : 13 Oct 2020 13:38
 Operator : VA/SY
 Sample : VSTDICV050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD101320

Manual Integrations
 APPROVED

MMDadoda
 10/14/2020 2:10:17 PM

Quant Time: Oct 14 02:23:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 13 13:05:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	371828	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	556733	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	509293	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	253301	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	190767	51.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.42%	
35) Dibromofluoromethane	7.92	113	194371	52.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.92%	
50) Toluene-d8	10.34	98	709118	52.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.78%	
62) 4-Bromofluorobenzene	12.64	95	248819	53.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	152137	51.067	ug/l	94
3) Chloromethane	2.21	50	108091	46.191	ug/l	99
4) Vinyl Chloride	2.35	62	121459	47.305	ug/l	99
5) Bromomethane	2.77	94	87278	48.791	ug/l	99
6) Chloroethane	2.92	64	74390	46.522	ug/l	93
7) Trichlorofluoromethane	3.27	101	309976	47.944	ug/l	96
8) Diethyl Ether	3.71	74	73480	49.667	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.10	101	165849	48.282	ug/l	98
10) Methyl Iodide	4.30	142	159006	50.180	ug/l	99
11) Tert butyl alcohol	5.21	59	48072	247.812	ug/l #	96
12) 1,1-Dichloroethene	4.06	96	152006	49.533	ug/l	92
13) Acrolein	3.92	56	56379	252.952	ug/l	99
14) Allyl chloride	4.71	41	177966	50.641	ug/l	98
15) Acrylonitrile	5.43	53	126170	255.585	ug/l	100
16) Acetone	4.16	43	134657	258.108	ug/l	98
17) Carbon Disulfide	4.41	76	420518	48.068	ug/l	97
18) Methyl Acetate	4.71	43	56764	47.703	ug/l	97
19) Methyl tert-butyl Ether	5.48	73	314378	51.521	ug/l	99
20) Methylene Chloride	4.96	84	173509	52.110	ug/l	93
21) trans-1,2-Dichloroethene	5.47	96	173209	49.047	ug/l	97
22) Diisopropyl ether	6.36	45	330614	51.499	ug/l	99
23) Vinyl Acetate	6.31	43	1010245	276.601	ug/l	100
24) 1,1-Dichloroethane	6.27	63	269221	48.990	ug/l	99
25) 2-Butanone	7.21	43	156877	263.794	ug/l	94
26) 2,2-Dichloropropane	7.21	77	275949	48.717	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	194508	50.255	ug/l	99
28) Bromochloromethane	7.55	49	95077	50.723	ug/l	99
29) Tetrahydrofuran	7.57	42	84384	255.261	ug/l	95
30) Chloroform	7.71	83	315446	48.051	ug/l	91
31) Cyclohexane	7.98	56	206653	48.164	ug/l	93
32) 1,1,1-Trichloroethane	7.90	97	313908	48.735	ug/l	98
36) 1,1-Dichloropropene	8.11	75	232665	49.307	ug/l	99
37) Ethyl Acetate	7.30	43	69345	49.949	ug/l	96
38) Carbon Tetrachloride	8.10	117	293774	48.711	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	256722	52.041	ug/l	99
40) Benzene	8.35	78	647308	50.004	ug/l	97
41) Methacrylonitrile	7.53	41	33156	44.195	ug/l #	88
42) 1,2-Dichloroethane	8.42	62	201500	49.739	ug/l	99
43) Isopropyl Acetate	8.46	43	143336	52.032	ug/l	100
44) Trichloroethene	9.11	130	203812	49.174	ug/l	97
45) 1,2-Dichloropropane	9.39	63	148637	49.543	ug/l	98
46) Dibromomethane	9.48	93	92801	49.646	ug/l	94
47) Bromodichloromethane	9.67	83	243977	48.716	ug/l	95
48) Methyl methacrylate	9.46	41	67744	50.603	ug/l	94
49) 1,4-Dioxane	9.46	88	19423	1076.040	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	362371	263.733	ug/l	98
52) Toluene	10.41	92	439762	49.877	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	222255	50.519	ug/l	96
54) cis-1,3-Dichloropropene	10.09	75	258254	50.159	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	125252	49.138	ug/l	97
56) Ethyl methacrylate	10.67	69	140934	53.312	ug/l	100
57) 1,3-Dichloropropane	10.95	76	207594	51.176	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.94	63	361933	266.884	ug/l	99
59) 2-Hexanone	10.99	43	253905	270.428	ug/l	98
60) Dibromochloromethane	11.14	129	183199	49.283	ug/l	99
61) 1,2-Dibromoethane	11.25	107	123261	49.051	ug/l	98
64) Tetrachloroethene	10.88	164	175914	47.673	ug/l	96
65) Chlorobenzene	11.67	112	485547	49.717	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	189748	48.885	ug/l	98
67) Ethyl Benzene	11.75	91	854003	51.012	ug/l	97
68) m/p-Xylenes	11.86	106	659548	102.307	ug/l	98
69) o-Xylene	12.18	106	309057	51.770	ug/l	93
70) Styrene	12.20	104	524079	50.998	ug/l	99
71) Bromoform	12.37	173	103891	49.822	ug/l #	100
73) Isopropylbenzene	12.48	105	867972	53.991	ug/l	99
74) N-amyl acetate	12.30	43	132917	54.743	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	126770	51.465	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	83320m	47.459	ug/l	
77) Bromobenzene	12.77	156	205790	51.345	ug/l	97
78) n-propylbenzene	12.83	91	993077	53.316	ug/l	100
79) 2-Chlorotoluene	12.91	91	552894	51.186	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	731930	52.393	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	41309	53.358	ug/l	94
82) 4-Chlorotoluene	13.01	91	598388	52.195	ug/l	98
83) tert-Butylbenzene	13.23	119	627406	53.167	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	730104	52.877	ug/l	98
85) sec-Butylbenzene	13.41	105	861525	53.206	ug/l	100
86) p-Isopropyltoluene	13.53	119	801405	52.436	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	390819	50.661	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	386753	50.602	ug/l	100
89) n-Butylbenzene	13.85	91	725899	53.988	ug/l	99
90) Hexachloroethane	14.12	117	135684	50.874	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	339910	50.438	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	21616	48.304	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	248876	54.773	ug/l	98
94) Hexachlorobutadiene	15.28	225	152746	54.134	ug/l	100
95) Naphthalene	15.41	128	413145	55.381	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	209357	53.334	ug/l	99

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

