

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101320\
 Data File : VD067243.D
 Acq On : 13 Oct 2020 10:28
 Operator : VA/SY
 Sample : VSTDIC005
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 10/14/2020 2:10:05 PM

Quant Time: Oct 13 12:30:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 13 12:22:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	323578	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	500596	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	459205	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	232781	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	16180	4.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.74%	
35) Dibromofluoromethane	7.92	113	15287	4.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.18%	
50) Toluene-d8	10.34	98	55166	4.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.08%	
62) 4-Bromofluorobenzene	12.64	95	18941	4.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	16305	5.134	ug/l	93
3) Chloromethane	2.21	50	11791	5.536	ug/l	92
4) Vinyl Chloride	2.35	62	12474	5.299	ug/l #	85
5) Bromomethane	2.77	94	10511	5.697	ug/l	95
6) Chloroethane	2.93	64	7872	5.343	ug/l	93
7) Trichlorofluoromethane	3.27	101	31031	5.245	ug/l	98
8) Diethyl Ether	3.71	74	7084	5.373	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.10	101	16896	5.377	ug/l	95
10) Methyl Iodide	4.30	142	12251	4.719	ug/l #	96
11) Tert butyl alcohol	5.21	59	10328m	37.094	ug/l	
12) 1,1-Dichloroethene	4.07	96	14176	5.130	ug/l	97
13) Acrolein	3.93	56	3579	23.924	ug/l	91
14) Allyl chloride	4.73	41	16148	5.238	ug/l	98
15) Acrylonitrile	5.43	53	10739	24.695	ug/l	92
16) Acetone	4.17	43	12434	26.588	ug/l	98
17) Carbon Disulfide	4.41	76	42449	5.380	ug/l	97
18) Methyl Acetate	4.72	43	6483	6.037	ug/l	97
19) Methyl tert-butyl Ether	5.47	73	25915	4.867	ug/l	92
20) Methylene Chloride	4.97	84	22439	5.962	ug/l	89
21) trans-1,2-Dichloroethene	5.47	96	16795	5.313	ug/l	90
22) Diisopropyl ether	6.37	45	25979	4.571	ug/l #	98
23) Vinyl Acetate	6.31	43	65142	21.121	ug/l	97
24) 1,1-Dichloroethane	6.27	63	25169	5.082	ug/l	92
25) 2-Butanone	7.21	43	13576	25.840	ug/l	90
26) 2,2-Dichloropropane	7.21	77	27642	5.347	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	17564	5.061	ug/l	95
28) Bromochloromethane	7.54	49	8730	5.284	ug/l	94
29) Tetrahydrofuran	7.57	42	6670	23.036	ug/l	87
30) Chloroform	7.72	83	30319	5.105	ug/l	97
31) Cyclohexane	7.98	56	22932	5.766	ug/l #	72
32) 1,1,1-Trichloroethane	7.91	97	30598	5.249	ug/l	99
36) 1,1-Dichloropropene	8.11	75	21800	4.978	ug/l	99
37) Ethyl Acetate	7.30	43	6001	4.727	ug/l #	72
38) Carbon Tetrachloride	8.10	117	28721	5.116	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	22325	4.972	ug/l	92
40) Benzene	8.36	78	61847	5.125	ug/l	96
41) Methacrylonitrile	7.54	41	3209m	5.924	ug/l	
42) 1,2-Dichloroethane	8.43	62	19472	5.165	ug/l	91
43) Isopropyl Acetate	8.45	43	11958	4.807	ug/l	90
44) Trichloroethene	9.11	130	19078	4.948	ug/l	96
45) 1,2-Dichloropropane	9.39	63	14072	5.078	ug/l	93
46) Dibromomethane	9.48	93	9373	5.372	ug/l	91
47) Bromodichloromethane	9.67	83	23105	5.001	ug/l	93
48) Methyl methacrylate	9.46	41	5779	4.768	ug/l	97
49) 1,4-Dioxane	9.45	88	2312	124.937	ug/l #	57
51) 4-Methyl-2-Pentanone	10.23	43	30345	24.037	ug/l	97
52) Toluene	10.41	92	40026	4.900	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	19403	4.828	ug/l	95
54) cis-1,3-Dichloropropene	10.09	75	23449	4.980	ug/l	94
55) 1,1,2-Trichloroethane	10.80	97	11691	4.880	ug/l	91
56) Ethyl methacrylate	10.67	69	10863	4.641	ug/l	97
57) 1,3-Dichloropropane	10.95	76	18611	4.963	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	27868	23.116	ug/l	98
59) 2-Hexanone	10.98	43	20484	24.096	ug/l	94
60) Dibromochloromethane	11.14	129	18345	5.302	ug/l	99
61) 1,2-Dibromoethane	11.25	107	11925	5.113	ug/l	99
64) Tetrachloroethene	10.88	164	18980	5.424	ug/l	92
65) Chlorobenzene	11.67	112	46633	5.105	ug/l	91
66) 1,1,1,2-Tetrachloroethane	11.75	131	18747	5.169	ug/l	97
67) Ethyl Benzene	11.75	91	75044	4.883	ug/l	99
68) m/p-Xylenes	11.86	106	57282	9.594	ug/l	99
69) o-Xylene	12.18	106	27185	4.924	ug/l	89
70) Styrene	12.20	104	46795	4.933	ug/l	96
71) Bromoform	12.37	173	9983	5.146	ug/l #	98
73) Isopropylbenzene	12.48	105	68912	4.629	ug/l	96
74) N-amyl acetate	12.30	43	10619	4.790	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.74	83	11701	5.028	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	8559m	5.141	ug/l	
77) Bromobenzene	12.77	156	19096	5.040	ug/l	99
78) n-propylbenzene	12.83	91	83809	4.787	ug/l	98
79) 2-Chlorotoluene	12.91	91	50740	4.972	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	62617	4.781	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	3453	4.817	ug/l	95
82) 4-Chlorotoluene	13.01	91	55140	5.063	ug/l	99
83) tert-Butylbenzene	13.23	119	51181	4.680	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	59243	4.596	ug/l	97
85) sec-Butylbenzene	13.41	105	73193	4.826	ug/l	100
86) p-Isopropyltoluene	13.53	119	67068	4.679	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	38106	5.137	ug/l	97
88) 1,4-Dichlorobenzene	13.60	146	37890	5.208	ug/l	94
89) n-Butylbenzene	13.85	91	59932	4.792	ug/l	99
90) Hexachloroethane	14.12	117	12430	4.998	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	32078	4.998	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.51	75	2003	4.779	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	20842	4.991	ug/l	95
94) Hexachlorobutadiene	15.28	225	12701	4.846	ug/l	96
95) Naphthalene	15.41	128	29528	4.505	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	17102	4.769	ug/l	97

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

