

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071423\
 Data File : VD076743.D
 Acq On : 14 Jul 2023 16:35
 Operator : KP/SY
 Sample : VSTDICV050
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD071423

Quant Time: Jul 17 08:08:36 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 17 08:07:52 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 07/17/2023
 Supervised By : Mahesh Dadoda 07/17/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.875	168	184182	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	335070	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	314858	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	151537	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.222	65	91720	49.997	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.000%			
35) Dibromofluoromethane	7.799	113	105920	50.304	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.600%			
50) Toluene-d8	10.269	98	364811	48.431	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 96.860%			
62) 4-Bromofluorobenzene	12.575	95	121269	49.766	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 99.540%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.928	85	73633	51.124	ug/l	99
3) Chloromethane	2.146	50	127626	51.368	ug/l	97
4) Vinyl Chloride	2.275	62	165777	50.054	ug/l	100
5) Bromomethane	2.675	94	115809	42.499	ug/l	100
6) Chloroethane	2.822	64	124110	49.633	ug/l	99
7) Trichlorofluoromethane	3.158	101	149229	50.638	ug/l	95
8) Diethyl Ether	3.587	74	53357	52.587	ug/l	91
9) 1,1,2-Trichlorotrifluo...	3.958	101	100460	51.859	ug/l	96
10) Methyl Iodide	4.152	142	104407	47.812	ug/l	92
11) Tert butyl alcohol	5.058	59	36819	268.961	ug/l #	94
12) 1,1-Dichloroethene	3.928	96	89815	49.349	ug/l	84
13) Acrolein	3.787	56	23485	251.747	ug/l	95
14) Allyl chloride	4.546	41	119538	49.998	ug/l	92
15) Acrylonitrile	5.246	53	128751	258.359	ug/l	99
16) Acetone	4.017	43	112257	256.224	ug/l	94
17) Carbon Disulfide	4.258	76	213383	50.198	ug/l	96
18) Methyl Acetate	4.558	43	85740	52.088	ug/l	97
19) Methyl tert-butyl Ether	5.311	73	256091	52.470	ug/l	97
20) Methylene Chloride	4.793	84	136468	52.910	ug/l	93
21) trans-1,2-Dichloroethene	5.299	96	106390	50.289	ug/l	97
22) Diisopropyl ether	6.211	45	292965	51.747	ug/l	97
23) Vinyl Acetate	6.146	43	739502m	263.991	ug/l	
24) 1,1-Dichloroethane	6.105	63	192916	50.539	ug/l	98
25) 2-Butanone	7.075	43	156969	267.702	ug/l #	81
26) 2,2-Dichloropropane	7.069	77	168599	51.238	ug/l	96
27) cis-1,2-Dichloroethene	7.069	96	135285	51.873	ug/l	97
28) Bromochloromethane	7.416	49	48458	50.776	ug/l	83
29) Tetrahydrofuran	7.446	42	92168	266.042	ug/l	90
30) Chloroform	7.593	83	214040	51.195	ug/l	99
31) Cyclohexane	7.869	56	131787	48.813	ug/l	92
32) 1,1,1-Trichloroethane	7.787	97	174902	51.850	ug/l	98
36) 1,1-Dichloropropene	8.005	75	143663	52.214	ug/l	97
37) Ethyl Acetate	7.163	43	66780	54.272	ug/l	96
38) Carbon Tetrachloride	7.987	117	141475	53.700	ug/l	97
39) Methylcyclohexane	9.269	83	170750	53.746	ug/l	97
40) Benzene	8.246	78	443211	51.052	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	39424	52.467	ug/l #	87
42) 1,2-Dichloroethane	8.322	62	120282	53.323	ug/l	98
43) Isopropyl Acetate	8.357	43	128618	53.560	ug/l	92
44) Trichloroethene	9.028	130	116315	49.167	ug/l	87
45) 1,2-Dichloropropane	9.304	63	114192	50.956	ug/l	93
46) Dibromomethane	9.393	93	69407	52.912	ug/l	90
47) Bromodichloromethane	9.581	83	168509	51.191	ug/l	98
48) Methyl methacrylate	9.375	41	56026	51.261	ug/l	84
49) 1,4-Dioxane	9.381	88	17032	1013.431	ug/l	92
51) 4-Methyl-2-Pentanone	10.157	43	345728	270.400	ug/l	93
52) Toluene	10.334	92	293836	51.533	ug/l	95
53) t-1,3-Dichloropropene	10.551	75	162286	53.115	ug/l	99
54) cis-1,3-Dichloropropene	10.016	75	188144	52.249	ug/l #	90
55) 1,1,2-Trichloroethane	10.734	97	100246	52.334	ug/l	98
56) Ethyl methacrylate	10.599	69	118686	53.683	ug/l	92
57) 1,3-Dichloropropane	10.875	76	159906	51.261	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.869	63	215418	251.723	ug/l	97
59) 2-Hexanone	10.922	43	246844	270.567	ug/l	92
60) Dibromochloromethane	11.075	129	116216	52.227	ug/l	96
61) 1,2-Dibromoethane	11.175	107	92591	52.138	ug/l	98
64) Tetrachloroethene	10.810	164	91766	51.112	ug/l	89
65) Chlorobenzene	11.604	112	326760	51.601	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.681	131	120484	51.104	ug/l	98
67) Ethyl Benzene	11.681	91	568167	51.089	ug/l	97
68) m/p-Xylenes	11.793	106	440666	103.173	ug/l	92
69) o-Xylene	12.122	106	212228	51.384	ug/l	92
70) Styrene	12.134	104	375643	51.954	ug/l	97
71) Bromoform	12.298	173	67403	52.201	ug/l #	99
73) Isopropylbenzene	12.422	105	551823	50.192	ug/l	97
74) N-amyl acetate	12.234	43	119541	51.611	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.675	83	118953	50.392	ug/l	99
76) 1,2,3-Trichloropropane	12.722	75	76429m	53.035	ug/l	
77) Bromobenzene	12.698	156	123777	48.774	ug/l	84
78) n-propylbenzene	12.763	91	681024	51.095	ug/l	95
79) 2-Chlorotoluene	12.851	91	373533	51.112	ug/l	94
80) 1,3,5-Trimethylbenzene	12.904	105	456230	51.320	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.469	75	35251	52.060	ug/l	97
82) 4-Chlorotoluene	12.945	91	388242	50.852	ug/l	96
83) tert-Butylbenzene	13.163	119	399219	51.002	ug/l	96
84) 1,2,4-Trimethylbenzene	13.210	105	460375	50.677	ug/l	96
85) sec-Butylbenzene	13.345	105	605482	50.630	ug/l	95
86) p-Isopropyltoluene	13.457	119	501199	50.746	ug/l	95
87) 1,3-Dichlorobenzene	13.457	146	264230	50.621	ug/l	97
88) 1,4-Dichlorobenzene	13.540	146	257954	50.441	ug/l	97
89) n-Butylbenzene	13.787	91	492006	50.908	ug/l	98
90) Hexachloroethane	14.051	117	98222	53.792	ug/l	83
91) 1,2-Dichlorobenzene	13.828	146	228866	49.759	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.445	75	16253	48.289	ug/l	96
93) 1,2,4-Trichlorobenzene	15.098	180	142290	50.673	ug/l	98
94) Hexachlorobutadiene	15.198	225	64343	47.645	ug/l	98
95) Naphthalene	15.328	128	308931	50.811	ug/l	98
96) 1,2,3-Trichlorobenzene	15.522	180	130076	51.621	ug/l	98

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

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