

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071723\
 Data File : VD076763.D
 Acq On : 17 Jul 2023 19:17
 Operator : KP/SY
 Sample : 03645-10MSD
 Misc : 6.31G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-04-(1-5)MSD

Quant Time: Jul 18 01:24:53 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 07/18/2023
 Supervised By : Mahesh Dadoda 07/18/2023

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	154913	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	288394	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	267266	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	117737	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.222	65	78835	51.093	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.180%			
35) Dibromofluoromethane	7.804	113	92680	51.140	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.280%			
50) Toluene-d8	10.269	98	311009	47.971	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 95.940%			
62) 4-Bromofluorobenzene	12.575	95	99127	47.263	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 94.520%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.928	85	69471	57.348	ug/l	95
3) Chloromethane	2.146	50	134731	64.474	ug/l	97
4) Vinyl Chloride	2.275	62	171460	61.551	ug/l	99
5) Bromomethane	2.681	94	121139	52.854	ug/l	99
6) Chloroethane	2.822	64	128270	60.988	ug/l	100
7) Trichlorofluoromethane	3.164	101	145713	58.787	ug/l	100
8) Diethyl Ether	3.587	74	56719	66.462	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.958	101	94082	57.743	ug/l	97
10) Methyl Iodide	4.152	142	110367	60.091	ug/l	93
11) Tert butyl alcohol	5.063	59	32739	284.343	ug/l	95
12) 1,1-Dichloroethene	3.934	96	88933	58.097	ug/l	96
13) Acrolein	3.787	56	13266	169.073	ug/l	99
14) Allyl chloride	4.558	41	120958	60.151	ug/l	94
15) Acrylonitrile	5.252	53	128926	307.590	ug/l	98
16) Acetone	4.016	43	111861	303.560	ug/l	92
17) Carbon Disulfide	4.258	76	204615	57.230	ug/l	98
18) Methyl Acetate	4.558	43	111312	80.399	ug/l	96
19) Methyl tert-butyl Ether	5.316	73	261058	63.594	ug/l	100
20) Methylene Chloride	4.793	84	147965	71.956	ug/l	89
21) trans-1,2-Dichloroethene	5.305	96	104331	58.634	ug/l	94
22) Diisopropyl ether	6.216	45	311139	65.340	ug/l	97
23) Vinyl Acetate	6.152	43	483800m	205.341	ug/l	
24) 1,1-Dichloroethane	6.105	63	202824	63.173	ug/l	96
25) 2-Butanone	7.081	43	151760	307.719	ug/l	90
26) 2,2-Dichloropropane	7.069	77	149668	54.078	ug/l	97
27) cis-1,2-Dichloroethene	7.075	96	139774	63.721	ug/l	99
28) Bromochloromethane	7.422	49	41332	51.492	ug/l	85
29) Tetrahydrofuran	7.440	42	89024	305.517	ug/l	93
30) Chloroform	7.599	83	228033	64.847	ug/l	96
31) Cyclohexane	7.875	56	115712	50.957	ug/l	94
32) 1,1,1-Trichloroethane	7.793	97	174419	61.476	ug/l	99
36) 1,1-Dichloropropene	8.004	75	135848	57.364	ug/l	96
37) Ethyl Acetate	7.169	43	53075	50.115	ug/l	97
38) Carbon Tetrachloride	7.993	117	133925	59.061	ug/l	99
39) Methylcyclohexane	9.269	83	136811	50.033	ug/l	95
40) Benzene	8.252	78	453946	60.752	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	35915	55.533	ug/l #	94
42) 1,2-Dichloroethane	8.322	62	124536	64.145	ug/l	98
43) Isopropyl Acetate	8.363	43	112697	54.525	ug/l	96
44) Trichloroethene	9.028	130	115528	56.738	ug/l	87
45) 1,2-Dichloropropane	9.304	63	119898	62.161	ug/l	92
46) Dibromomethane	9.393	93	72106	63.866	ug/l	89
47) Bromodichloromethane	9.581	83	176684	62.361	ug/l	98
48) Methyl methacrylate	9.381	41	62712	66.665	ug/l #	81
49) 1,4-Dioxane	9.381	88	17274	1194.182	ug/l #	87
51) 4-Methyl-2-Pentanone	10.157	43	331913	301.610	ug/l	93
52) Toluene	10.334	92	289171	58.924	ug/l	94
53) t-1,3-Dichloropropene	10.551	75	155141	58.994	ug/l	97
54) cis-1,3-Dichloropropene	10.016	75	186302	60.111	ug/l #	91
55) 1,1,2-Trichloroethane	10.734	97	100337	60.860	ug/l	96
56) Ethyl methacrylate	10.598	69	108158	56.839	ug/l	93
57) 1,3-Dichloropropane	10.875	76	158597	59.070	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	174837	237.369	ug/l	98
59) 2-Hexanone	10.922	43	230885	294.034	ug/l	92
60) Dibromochloromethane	11.075	129	121354	63.362	ug/l	98
61) 1,2-Dibromoethane	11.175	107	91781	60.046	ug/l	99
64) Tetrachloroethene	10.810	164	121928	80.005	ug/l	93
65) Chlorobenzene	11.604	112	311278	57.909	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.681	131	122078	61.001	ug/l	97
67) Ethyl Benzene	11.681	91	537090	56.895	ug/l	97
68) m/p-Xylenes	11.793	106	412710	113.834	ug/l	93
69) o-Xylene	12.122	106	205130	58.509	ug/l	93
70) Styrene	12.134	104	358738	58.451	ug/l	98
71) Bromoform	12.298	173	68844	62.811	ug/l #	97
73) Isopropylbenzene	12.422	105	499749	58.504	ug/l	95
74) N-amyl acetate	12.234	43	91328	50.750	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.675	83	113347	61.802	ug/l	99
76) 1,2,3-Trichloropropane	12.722	75	70732m	63.173	ug/l	
77) Bromobenzene	12.698	156	122885	62.324	ug/l	89
78) n-propylbenzene	12.763	91	586382	56.624	ug/l	95
79) 2-Chlorotoluene	12.851	91	333506	58.735	ug/l	96
80) 1,3,5-Trimethylbenzene	12.904	105	399207	57.797	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.469	75	31516	59.906	ug/l	96
82) 4-Chlorotoluene	12.945	91	341690	57.603	ug/l	96
83) tert-Butylbenzene	13.163	119	344874	56.708	ug/l	97
84) 1,2,4-Trimethylbenzene	13.210	105	412437	58.433	ug/l	95
85) sec-Butylbenzene	13.345	105	500818	53.900	ug/l	95
86) p-Isopropyltoluene	13.463	119	409013	53.301	ug/l	97
87) 1,3-Dichlorobenzene	13.457	146	226560	55.865	ug/l	96
88) 1,4-Dichlorobenzene	13.539	146	222247	55.935	ug/l	98
89) n-Butylbenzene	13.787	91	356090	47.422	ug/l	98
90) Hexachloroethane	14.051	117	81265	57.282	ug/l	85
91) 1,2-Dichlorobenzene	13.828	146	207760	58.138	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.445	75	16067	61.441	ug/l	95
93) 1,2,4-Trichlorobenzene	15.098	180	101738	46.633	ug/l	96
94) Hexachlorobutadiene	15.204	225	38306	36.508	ug/l	98
95) Naphthalene	15.328	128	247308	52.353	ug/l	98
96) 1,2,3-Trichlorobenzene	15.522	180	91521	46.747	ug/l	99

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

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