

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071723\
 Data File : VD076762.D
 Acq On : 17 Jul 2023 18:48
 Operator : KP/SY
 Sample : 03645-09MS
 Misc : 6.17G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

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

Quant Time: Jul 18 01:24:36 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 07/18/2023
 Supervised By : Mahesh Dadoda 07/18/2023

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

Internal Standards						
1) Pentafluorobenzene	7.869	168	136385	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	255118	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.580	117	231626	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	102048	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	77077	56.739	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 113.480%			
35) Dibromofluoromethane	7.798	113	87753	54.737	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.480%			
50) Toluene-d8	10.269	98	291124	50.761	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.520%			
62) 4-Bromofluorobenzene	12.574	95	92839	50.039	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 100.080%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.928	85	50313	47.175	ug/l	95
3) Chloromethane	2.146	50	98241	53.398	ug/l	97
4) Vinyl Chloride	2.275	62	123958	50.544	ug/l	98
5) Bromomethane	2.681	94	84784	42.018	ug/l	99
6) Chloroethane	2.822	64	95023	51.318	ug/l	92
7) Trichlorofluoromethane	3.163	101	105055	48.141	ug/l	96
8) Diethyl Ether	3.587	74	38640	51.429	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.957	101	68648	47.857	ug/l	96
10) Methyl Iodide	4.151	142	78594	48.605	ug/l	93
11) Tert butyl alcohol	5.057	59	24880	245.442	ug/l	98
12) 1,1-Dichloroethene	3.934	96	64855	48.123	ug/l	96
13) Acrolein	3.787	56	12978	187.872	ug/l	96
14) Allyl chloride	4.557	41	84456	47.704	ug/l	92
15) Acrylonitrile	5.251	53	95205	257.996	ug/l	98
16) Acetone	4.016	43	84532	260.560	ug/l	91
17) Carbon Disulfide	4.257	76	153425	48.742	ug/l #	94
18) Methyl Acetate	4.557	43	83048	68.134	ug/l	97
19) Methyl tert-butyl Ether	5.310	73	185410	51.302	ug/l	95
20) Methylene Chloride	4.798	84	113804	61.222	ug/l	94
21) trans-1,2-Dichloroethene	5.304	96	78383	50.035	ug/l	99
22) Diisopropyl ether	6.216	45	225237	53.726	ug/l	94
23) Vinyl Acetate	6.151	43	327552m	157.910	ug/l	
24) 1,1-Dichloroethane	6.104	63	149263	52.807	ug/l	97
25) 2-Butanone	7.081	43	114110	262.810	ug/l #	81
26) 2,2-Dichloropropane	7.069	77	111750	45.863	ug/l	98
27) cis-1,2-Dichloroethene	7.075	96	99749	51.652	ug/l	100
28) Bromochloromethane	7.422	49	37857	53.570	ug/l	83
29) Tetrahydrofuran	7.445	42	67407	262.757	ug/l	94
30) Chloroform	7.592	83	163843	52.923	ug/l	94
31) Cyclohexane	7.875	56	89954	44.995	ug/l	95
32) 1,1,1-Trichloroethane	7.786	97	130350	52.185	ug/l	99
36) 1,1-Dichloropropene	8.004	75	102159	48.765	ug/l	97
37) Ethyl Acetate	7.163	43	42968	45.863	ug/l	96
38) Carbon Tetrachloride	7.986	117	98769	49.239	ug/l	90
39) Methylcyclohexane	9.275	83	112929	46.686	ug/l	97
40) Benzene	8.245	78	335519	50.759	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.404	41	27155	47.465	ug/l #	95
42) 1,2-Dichloroethane	8.322	62	92516	53.868	ug/l	97
43) Isopropyl Acetate	8.357	43	86070	47.074	ug/l	95
44) Trichloroethene	9.028	130	87411	48.529	ug/l	93
45) 1,2-Dichloropropane	9.304	63	88821	52.056	ug/l	98
46) Dibromomethane	9.392	93	52055	52.120	ug/l	90
47) Bromodichloromethane	9.586	83	126882	50.625	ug/l	97
48) Methyl methacrylate	9.380	41	43093	51.784	ug/l #	86
49) 1,4-Dioxane	9.386	88	13037	1018.827	ug/l #	94
51) 4-Methyl-2-Pentanone	10.157	43	247823	254.571	ug/l	93
52) Toluene	10.333	92	217641	50.133	ug/l	97
53) t-1,3-Dichloropropene	10.551	75	115824	49.788	ug/l	96
54) cis-1,3-Dichloropropene	10.016	75	136063	49.627	ug/l #	91
55) 1,1,2-Trichloroethane	10.733	97	75918	52.055	ug/l	96
56) Ethyl methacrylate	10.598	69	80783	47.990	ug/l #	91
57) 1,3-Dichloropropane	10.880	76	119864	50.467	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	144596	221.918	ug/l	94
59) 2-Hexanone	10.922	43	174279	250.895	ug/l	93
60) Dibromochloromethane	11.075	129	88288	52.110	ug/l	98
61) 1,2-Dibromoethane	11.180	107	69039	51.059	ug/l	99
64) Tetrachloroethene	10.810	164	93577	70.850	ug/l #	89
65) Chlorobenzene	11.604	112	231306	49.653	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.680	131	89113	51.380	ug/l	97
67) Ethyl Benzene	11.680	91	403570	49.329	ug/l	100
68) m/p-Xylenes	11.792	106	310678	98.877	ug/l	91
69) o-Xylene	12.122	106	150864	49.652	ug/l	91
70) Styrene	12.133	104	261449	49.154	ug/l	97
71) Bromoform	12.304	173	47743	50.261	ug/l #	99
73) Isopropylbenzene	12.422	105	380456	51.387	ug/l	95
74) N-amyl acetate	12.233	43	66267	42.485	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.674	83	86025	54.116	ug/l	99
76) 1,2,3-Trichloropropane	12.722	75	56385m	58.101	ug/l	
77) Bromobenzene	12.698	156	89094	52.133	ug/l	86
78) n-propylbenzene	12.763	91	447534	49.860	ug/l	96
79) 2-Chlorotoluene	12.851	91	248274	50.447	ug/l	96
80) 1,3,5-Trimethylbenzene	12.904	105	307821	51.418	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.469	75	23897	52.407	ug/l	98
82) 4-Chlorotoluene	12.945	91	258783	50.333	ug/l	95
83) tert-Butylbenzene	13.163	119	264778	50.231	ug/l	96
84) 1,2,4-Trimethylbenzene	13.210	105	313642	51.268	ug/l	97
85) sec-Butylbenzene	13.345	105	395037	49.052	ug/l	94
86) p-Isopropyltoluene	13.463	119	314695	47.315	ug/l	96
87) 1,3-Dichlorobenzene	13.457	146	168929	48.059	ug/l	96
88) 1,4-Dichlorobenzene	13.539	146	168085	48.807	ug/l	98
89) n-Butylbenzene	13.786	91	276486	42.482	ug/l	98
90) Hexachloroethane	14.051	117	62935	51.182	ug/l	86
91) 1,2-Dichlorobenzene	13.827	146	152620	49.274	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.445	75	12438	54.876	ug/l	88
93) 1,2,4-Trichlorobenzene	15.098	180	71301	37.706	ug/l	96
94) Hexachlorobutadiene	15.204	225	30889	33.965	ug/l	98
95) Naphthalene	15.333	128	182825	44.653	ug/l	96
96) 1,2,3-Trichlorobenzene	15.521	180	64587	38.061	ug/l	96

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

