

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072224\
 Data File : VD079394.D
 Acq On : 22 Jul 2024 18:25
 Operator : RP/MD
 Sample : VSTDICV050
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD072224

Quant Time: Jul 23 10:08:30 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072224S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 23 09:57:54 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/23/2024
 Supervised By :Semsettin Yesilyurt 07/23/2024

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	177053	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	301888	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	286893	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	146103	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	96947	48.194	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.380%		
35) Dibromofluoromethane	7.804	113	106296	50.629	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	101.260%		
50) Toluene-d8	10.269	98	415722	52.345	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	104.700%		
62) 4-Bromofluorobenzene	12.569	95	128570	52.932	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	105.860%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.928	85	71087	49.673	ug/l	99
3) Chloromethane	2.140	50	86923	53.608	ug/l	99
4) Vinyl Chloride	2.275	62	76471	36.982	ug/l	97
5) Bromomethane	2.675	94	59122	42.117	ug/l	98
6) Chloroethane	2.822	64	39952	44.499	ug/l #	87
7) Trichlorofluoromethane	3.163	101	148593	46.969	ug/l	100
8) Diethyl Ether	3.593	74	45018	43.976	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.958	101	101581	46.660	ug/l	98
10) Methyl Iodide	4.152	142	105952	44.836	ug/l	98
11) Tert butyl alcohol	5.057	59	26629	212.787	ug/l #	79
12) 1,1-Dichloroethene	3.934	96	92764	44.950	ug/l	93
13) Acrolein	3.799	56	14835	159.776	ug/l	97
14) Allyl chloride	4.558	41	95615	36.573	ug/l	92
15) Acrylonitrile	5.252	53	107931	217.755	ug/l	95
16) Acetone	4.016	43	68412	159.901	ug/l	99
17) Carbon Disulfide	4.263	76	266141	44.291	ug/l	98
18) Methyl Acetate	4.563	43	49053	41.908	ug/l	97
19) Methyl tert-butyl Ether	5.310	73	215695	46.207	ug/l	92
20) Methylene Chloride	4.787	84	144136	44.620	ug/l	96
21) trans-1,2-Dichloroethene	5.305	96	109844	47.473	ug/l	96
22) Diisopropyl ether	6.216	45	304230	49.771	ug/l #	94
23) Vinyl Acetate	6.152	43	1166665	246.404	ug/l	93
24) 1,1-Dichloroethane	6.104	63	195972	46.550	ug/l	97
25) 2-Butanone	7.081	43	136396	225.568	ug/l	96
26) 2,2-Dichloropropane	7.075	77	161305	45.953	ug/l	100
27) cis-1,2-Dichloroethene	7.075	96	128365	48.018	ug/l	90
28) Bromochloromethane	7.422	49	75199	43.964	ug/l #	78
29) Tetrahydrofuran	7.440	42	88813	242.530	ug/l	86
30) Chloroform	7.593	83	209690	47.788	ug/l	97
31) Cyclohexane	7.875	56	147560	45.666	ug/l	91
32) 1,1,1-Trichloroethane	7.787	97	174051	48.330	ug/l	99
36) 1,1-Dichloropropene	8.004	75	144512	51.234	ug/l	95
37) Ethyl Acetate	7.169	43	62013	50.659	ug/l	99
38) Carbon Tetrachloride	7.987	117	151220	50.819	ug/l	97
39) Methylcyclohexane	9.269	83	169245	52.239	ug/l	88
40) Benzene	8.246	78	445812	50.232	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.393	41	29228	42.202	ug/l	93
42) 1,2-Dichloroethane	8.322	62	109767	49.621	ug/l	98
43) Isopropyl Acetate	8.363	43	114584	50.951	ug/l	98
44) Trichloroethene	9.028	130	103507	48.308	ug/l	93
45) 1,2-Dichloropropane	9.304	63	112826	50.998	ug/l	96
46) Dibromomethane	9.393	93	65470	50.560	ug/l	94
47) Bromodichloromethane	9.581	83	162039	50.783	ug/l	99
48) Methyl methacrylate	9.375	41	51780	50.923	ug/l	88
49) 1,4-Dioxane	9.381	88	15522	1103.110	ug/l #	88
51) 4-Methyl-2-Pentanone	10.157	43	321448	264.474	ug/l	97
52) Toluene	10.334	92	285130	51.336	ug/l	99
53) t-1,3-Dichloropropene	10.551	75	143058	49.531	ug/l	98
54) cis-1,3-Dichloropropene	10.016	75	169941	50.329	ug/l	93
55) 1,1,2-Trichloroethane	10.728	97	88445	51.264	ug/l	94
56) Ethyl methacrylate	10.592	69	108673	52.360	ug/l	97
57) 1,3-Dichloropropane	10.875	76	146671	51.587	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.869	63	257473	278.491	ug/l	91
59) 2-Hexanone	10.916	43	224533	260.808	ug/l	98
60) Dibromochloromethane	11.069	129	111929	50.518	ug/l	99
61) 1,2-Dibromoethane	11.175	107	81270	50.825	ug/l	94
64) Tetrachloroethene	10.810	164	89833	49.569	ug/l	93
65) Chlorobenzene	11.604	112	312675	49.619	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.681	131	108603	50.742	ug/l	96
67) Ethyl Benzene	11.681	91	544714	52.163	ug/l	98
68) m/p-Xylenes	11.787	106	424395	104.760	ug/l	90
69) o-Xylene	12.116	106	192864	51.233	ug/l	85
70) Styrene	12.134	104	355599	53.195	ug/l	96
71) Bromoform	12.292	173	63739	50.631	ug/l #	97
73) Isopropylbenzene	12.416	105	531817	52.201	ug/l	97
74) N-amyl acetate	12.228	43	115858	50.013	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.669	83	107170	47.927	ug/l	95
76) 1,2,3-Trichloropropane	12.722	75	77572m	49.897	ug/l	
77) Bromobenzene	12.698	156	116885	47.228	ug/l	81
78) n-propylbenzene	12.757	91	647606	50.541	ug/l	96
79) 2-Chlorotoluene	12.845	91	366118	50.091	ug/l	92
80) 1,3,5-Trimethylbenzene	12.898	105	436381	51.071	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.463	75	35668	45.979	ug/l	97
82) 4-Chlorotoluene	12.945	91	378540	48.519	ug/l	94
83) tert-Butylbenzene	13.163	119	365764	50.307	ug/l	92
84) 1,2,4-Trimethylbenzene	13.210	105	446317	51.471	ug/l	96
85) sec-Butylbenzene	13.339	105	572006	50.426	ug/l	97
86) p-Isopropyltoluene	13.457	119	474370	51.030	ug/l	96
87) 1,3-Dichlorobenzene	13.451	146	249100	48.269	ug/l	96
88) 1,4-Dichlorobenzene	13.534	146	247508	47.989	ug/l	97
89) n-Butylbenzene	13.781	91	461975	50.846	ug/l	97
90) Hexachloroethane	14.051	117	99722	47.808	ug/l	93
91) 1,2-Dichlorobenzene	13.828	146	218936	49.028	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.439	75	15185	49.025	ug/l	87
93) 1,2,4-Trichlorobenzene	15.092	180	121533	47.371	ug/l	95
94) Hexachlorobutadiene	15.198	225	67847	47.329	ug/l	97
95) Naphthalene	15.328	128	255785	49.618	ug/l	98
96) 1,2,3-Trichlorobenzene	15.516	180	111115	47.705	ug/l	97

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

