

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122023\
 Data File : VD078006.D
 Acq On : 20 Dec 2023 20:50
 Operator : RP/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Dec 21 05:29:33 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D120823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 14 14:48:10 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/21/2023
 Supervised By :Semsettin Yesilyurt 12/21/2023

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

Internal Standards						
1) Pentafluorobenzene	7.881	168	107359	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	184839	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	175210	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	94519	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	72283	57.138	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 114.280%			
35) Dibromofluoromethane	7.810	113	77122	59.566	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 119.140%			
50) Toluene-d8	10.269	98	295774	57.038	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 114.080%			
62) 4-Bromofluorobenzene	12.575	95	89383	57.653	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 115.300%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	55895	41.679	ug/l	99
3) Chloromethane	2.152	50	87634	47.940	ug/l	96
4) Vinyl Chloride	2.287	62	126798	51.095	ug/l	98
5) Bromomethane	2.699	94	101284	72.736	ug/l	97
6) Chloroethane	2.840	64	94785	56.023	ug/l	99
7) Trichlorofluoromethane	3.181	101	107911	47.214	ug/l	99
8) Diethyl Ether	3.599	74	33231	51.779	ug/l	89
9) 1,1,2-Trichlorotrifluo...	3.981	101	66314	50.717	ug/l	97
10) Methyl Iodide	4.164	142	73851	62.497	ug/l	90
11) Tert butyl alcohol	5.058	59	16155	265.897	ug/l #	73
12) 1,1-Dichloroethene	3.946	96	63027	48.839	ug/l #	81
13) Acrolein	3.793	56	21331	159.399	ug/l	95
14) Allyl chloride	4.564	41	84456	47.584	ug/l	91
15) Acrylonitrile	5.258	53	72425	263.570	ug/l	97
16) Acetone	4.017	43	66881	243.845	ug/l #	82
17) Carbon Disulfide	4.275	76	183010	41.918	ug/l	97
18) Methyl Acetate	4.564	43	58159	58.374	ug/l	94
19) Methyl tert-butyl Ether	5.322	73	152164	55.575	ug/l	98
20) Methylene Chloride	4.805	84	83267	56.177	ug/l	90
21) trans-1,2-Dichloroethene	5.311	96	76175	52.114	ug/l	89
22) Diisopropyl ether	6.222	45	194291	52.384	ug/l	96
23) Vinyl Acetate	6.158	43	438121m	241.889	ug/l	
24) 1,1-Dichloroethane	6.116	63	132416	52.719	ug/l	98
25) 2-Butanone	7.087	43	88588	255.051	ug/l #	83
26) 2,2-Dichloropropane	7.081	77	106148	50.334	ug/l	96
27) cis-1,2-Dichloroethene	7.087	96	90050	57.254	ug/l	95
28) Bromochloromethane	7.428	49	49831	49.097	ug/l	84
29) Tetrahydrofuran	7.446	42	52277	259.503	ug/l	91
30) Chloroform	7.599	83	142674	56.756	ug/l	96
31) Cyclohexane	7.881	56	94373	41.941	ug/l	92
32) 1,1,1-Trichloroethane	7.793	97	117439	52.994	ug/l	98
36) 1,1-Dichloropropene	8.010	75	100564	48.558	ug/l	96
37) Ethyl Acetate	7.169	43	34838	43.142	ug/l	99
38) Carbon Tetrachloride	7.993	117	101687	49.252	ug/l	96
39) Methylcyclohexane	9.275	83	113548	46.249	ug/l	90
40) Benzene	8.252	78	307917	52.385	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.405	41	22618	55.107	ug/l	93
42) 1,2-Dichloroethane	8.328	62	83391	54.731	ug/l	95
43) Isopropyl Acetate	8.363	43	71443	49.769	ug/l	93
44) Trichloroethene	9.028	130	79714	52.040	ug/l	85
45) 1,2-Dichloropropane	9.310	63	77429	54.188	ug/l	94
46) Dibromomethane	9.393	93	43232	57.181	ug/l	93
47) Bromodichloromethane	9.587	83	107811	56.259	ug/l	97
48) Methyl methacrylate	9.381	41	40727	49.911	ug/l	82
49) 1,4-Dioxane	9.387	88	7858	1046.704	ug/l #	86
51) 4-Methyl-2-Pentanone	10.157	43	189402	258.529	ug/l	93
52) Toluene	10.334	92	200098	54.880	ug/l	98
53) t-1,3-Dichloropropene	10.557	75	100905	54.832	ug/l	98
54) cis-1,3-Dichloropropene	10.016	75	119896	53.887	ug/l #	91
55) 1,1,2-Trichloroethane	10.734	97	59209	57.253	ug/l	96
56) Ethyl methacrylate	10.599	69	51157	56.115	ug/l	91
57) 1,3-Dichloropropane	10.881	76	100506	56.381	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.869	63	116015	223.153	ug/l	96
59) 2-Hexanone	10.922	43	135014	222.132	ug/l	92
60) Dibromochloromethane	11.075	129	72887	58.539	ug/l	94
61) 1,2-Dibromoethane	11.181	107	56253	57.785	ug/l	99
64) Tetrachloroethene	10.810	164	65219	50.645	ug/l	96
65) Chlorobenzene	11.604	112	213206	51.683	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.681	131	80107	54.981	ug/l	96
67) Ethyl Benzene	11.687	91	380408	52.150	ug/l	99
68) m/p-Xylenes	11.793	106	297917	106.773	ug/l	91
69) o-Xylene	12.122	106	138504	53.861	ug/l	94
70) Styrene	12.134	104	213800	55.915	ug/l	96
71) Bromoform	12.298	173	42155	55.374	ug/l #	98
73) Isopropylbenzene	12.422	105	364027	50.815	ug/l	97
74) N-amyl acetate	12.234	43	64387	45.724	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.675	83	67737	54.229	ug/l	99
76) 1,2,3-Trichloropropane	12.722	75	45804m	55.797	ug/l	
77) Bromobenzene	12.698	156	90283	53.581	ug/l	94
78) n-propylbenzene	12.763	91	444071	50.872	ug/l	97
79) 2-Chlorotoluene	12.851	91	241292	51.579	ug/l	96
80) 1,3,5-Trimethylbenzene	12.904	105	308625	51.655	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.469	75	21449	52.938	ug/l	94
82) 4-Chlorotoluene	12.945	91	260158	53.196	ug/l	96
83) tert-Butylbenzene	13.169	119	269244	53.378	ug/l	96
84) 1,2,4-Trimethylbenzene	13.210	105	317358	53.106	ug/l	99
85) sec-Butylbenzene	13.345	105	392708	52.670	ug/l	97
86) p-Isopropyltoluene	13.463	119	357056	53.487	ug/l	97
87) 1,3-Dichlorobenzene	13.457	146	185316	53.780	ug/l	98
88) 1,4-Dichlorobenzene	13.540	146	179741	52.335	ug/l	99
89) n-Butylbenzene	13.787	91	329667	52.483	ug/l	98
90) Hexachloroethane	14.051	117	69796	56.852	ug/l	97
91) 1,2-Dichlorobenzene	13.828	146	155063	52.912	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.445	75	9935	55.006	ug/l	98
93) 1,2,4-Trichlorobenzene	15.098	180	99212	49.563	ug/l	95
94) Hexachlorobutadiene	15.204	225	52829	48.942	ug/l	98
95) Naphthalene	15.334	128	182889	54.989	ug/l	98
96) 1,2,3-Trichlorobenzene	15.522	180	84961	51.483	ug/l	99

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

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