

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032024\
 Data File : VD078711.D
 Acq On : 20 Mar 2024 09:56
 Operator : RP/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Mahesh
 Dadoda

03/21/2024
 Supervised By :Semsettin
 Yesilyurt

Quant Time: Mar 21 04:43:40 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031424S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 15 05:38:03 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.881	168	117063	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	189961	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	181732	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	95057	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	52914	48.232	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	96.460%
35) Dibromofluoromethane	7.816	113	61052	49.917	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.840%
50) Toluene-d8	10.269	98	233514	51.914	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	103.820%
62) 4-Bromofluorobenzene	12.575	95	67560	51.340	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	102.680%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.934	85	54778	50.277	ug/l	96
3) Chloromethane	2.152	50	77400	44.993	ug/l	98
4) Vinyl Chloride	2.287	62	114038	44.937	ug/l	97
5) Bromomethane	2.699	94	107655	44.307	ug/l	99
6) Chloroethane	2.846	64	88331	44.633	ug/l	99
7) Trichlorofluoromethane	3.181	101	105940	52.769	ug/l	99
8) Diethyl Ether	3.599	74	26522	45.246	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.975	101	66192	52.535	ug/l	99
10) Methyl Iodide	4.169	142	77202	51.799	ug/l	97
11) Tert butyl alcohol	5.046	59	11418	232.561	ug/l #	93
12) 1,1-Dichloroethene	3.952	96	62786	52.420	ug/l	94
13) Acrolein	3.805	56	15525	201.861	ug/l	91
14) Allyl chloride	4.569	41	67928	50.826	ug/l	98
15) Acrylonitrile	5.257	53	59294	250.930	ug/l	98
16) Acetone	4.022	43	64631	304.656	ug/l	96
17) Carbon Disulfide	4.281	76	196598	50.069	ug/l	98
18) Methyl Acetate	4.569	43	23948	52.601	ug/l	100
19) Methyl tert-butyl Ether	5.328	73	120681	49.962	ug/l	94
20) Methylene Chloride	4.805	84	72858	50.415	ug/l	98
21) trans-1,2-Dichloroethene	5.316	96	73584	52.065	ug/l	97
22) Diisopropyl ether	6.216	45	156435	51.483	ug/l	96
23) Vinyl Acetate	6.163	43	444744	250.225	ug/l	99
24) 1,1-Dichloroethane	6.116	63	117403	51.535	ug/l	98
25) 2-Butanone	7.087	43	76666	271.819	ug/l	98
26) 2,2-Dichloropropane	7.081	77	101314	52.564	ug/l	100
27) cis-1,2-Dichloroethene	7.087	96	83597	51.860	ug/l	97
28) Bromochloromethane	7.434	49	42117	51.856	ug/l	99
29) Tetrahydrofuran	7.446	42	39430	257.029	ug/l	97
30) Chloroform	7.599	83	129341	50.921	ug/l	94
31) Cyclohexane	7.881	56	93438	50.672	ug/l	98
32) 1,1,1-Trichloroethane	7.799	97	111536	51.754	ug/l	99
36) 1,1-Dichloropropene	8.016	75	98927	55.747	ug/l	98
37) Ethyl Acetate	7.175	43	30584	52.755	ug/l #	94
38) Carbon Tetrachloride	7.999	117	100780	53.869	ug/l	99
39) Methylcyclohexane	9.281	83	115889	56.296	ug/l	98
40) Benzene	8.251	78	288393	53.761	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.404	41	13949	45.914	ug/l #	88
42) 1,2-Dichloroethane	8.334	62	69781	53.342	ug/l	99
43) Isopropyl Acetate	8.363	43	52949	50.222	ug/l #	82
44) Trichloroethene	9.028	130	77814	53.452	ug/l	96
45) 1,2-Dichloropropane	9.310	63	69582	54.680	ug/l	98
46) Dibromomethane	9.393	93	40538	53.143	ug/l	94
47) Bromodichloromethane	9.587	83	98937	54.482	ug/l	100
48) Methyl methacrylate	9.381	41	25546	49.728	ug/l	98
49) 1,4-Dioxane	9.393	88	7582	1073.504	ug/l #	88
51) 4-Methyl-2-Pentanone	10.157	43	143213	259.829	ug/l	99
52) Toluene	10.334	92	186992	54.144	ug/l	95
53) t-1,3-Dichloropropene	10.557	75	87800	52.881	ug/l	95
54) cis-1,3-Dichloropropene	10.022	75	105076	52.644	ug/l	96
55) 1,1,2-Trichloroethane	10.734	97	54402	53.257	ug/l	95
56) Ethyl methacrylate	10.598	69	54228	52.955	ug/l	96
57) 1,3-Dichloropropane	10.881	76	85589	51.926	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	133393	295.419	ug/l	97
59) 2-Hexanone	10.922	43	115979	283.848	ug/l	99
60) Dibromochloromethane	11.075	129	68554	54.419	ug/l	96
61) 1,2-Dibromoethane	11.181	107	50823	51.411	ug/l	98
64) Tetrachloroethene	10.810	164	66118	54.978	ug/l	99
65) Chlorobenzene	11.610	112	196134	51.647	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.681	131	73653	52.957	ug/l	100
67) Ethyl Benzene	11.687	91	358771	55.439	ug/l	95
68) m/p-Xylenes	11.792	106	288855	109.921	ug/l	99
69) o-Xylene	12.122	106	129742	53.362	ug/l	95
70) Styrene	12.139	104	229842	56.321	ug/l	99
71) Bromoform	12.298	173	38737	51.538	ug/l #	97
73) Isopropylbenzene	12.422	105	340579	54.418	ug/l	99
74) N-amyl acetate	12.239	43	50888	50.080	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.675	83	57763	49.857	ug/l	99
76) 1,2,3-Trichloropropane	12.722	75	39204m	53.531	ug/l	
77) Bromobenzene	12.704	156	81220	52.329	ug/l	97
78) n-propylbenzene	12.763	91	433553	56.910	ug/l	100
79) 2-Chlorotoluene	12.851	91	224397	53.693	ug/l	97
80) 1,3,5-Trimethylbenzene	12.904	105	291374	56.298	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.469	75	17773	50.870	ug/l	94
82) 4-Chlorotoluene	12.951	91	233284	52.775	ug/l	99
83) tert-Butylbenzene	13.169	119	243933	54.661	ug/l	98
84) 1,2,4-Trimethylbenzene	13.216	105	289994	55.600	ug/l	99
85) sec-Butylbenzene	13.345	105	387976	57.449	ug/l	99
86) p-Isopropyltoluene	13.463	119	329862	57.056	ug/l	100
87) 1,3-Dichlorobenzene	13.463	146	174936	53.410	ug/l	98
88) 1,4-Dichlorobenzene	13.539	146	172117	53.321	ug/l	99
89) n-Butylbenzene	13.792	91	299910	57.440	ug/l	99
90) Hexachloroethane	14.057	117	64509	53.926	ug/l	100
91) 1,2-Dichlorobenzene	13.834	146	146152	51.809	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.451	75	7574	48.868	ug/l	97
93) 1,2,4-Trichlorobenzene	15.104	180	84279	51.192	ug/l	96
94) Hexachlorobutadiene	15.210	225	49437	55.467	ug/l	99
95) Naphthalene	15.333	128	142541	49.799	ug/l	98
96) 1,2,3-Trichlorobenzene	15.522	180	73044	51.285	ug/l	97

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

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