

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122023\
 Data File : VD077984.D
 Acq On : 20 Dec 2023 09:18
 Operator : RP/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

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

Quant Time: Dec 21 05:19:32 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

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	119918	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	197628	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	180904	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	98863	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	62122	43.963	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	87.920%		
35) Dibromofluoromethane	7.810	113	68258	49.308	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.620%		
50) Toluene-d8	10.269	98	272675	49.180	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	98.360%		
62) 4-Bromofluorobenzene	12.575	95	83832	50.574	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	101.140%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.934	85	58284	38.909	ug/l	96
3) Chloromethane	2.152	50	90148	44.150	ug/l	100
4) Vinyl Chloride	2.287	62	135569	48.908	ug/l	99
5) Bromomethane	2.699	94	96165	61.827	ug/l	97
6) Chloroethane	2.846	64	99270	52.529	ug/l	99
7) Trichlorofluoromethane	3.181	101	116896	45.789	ug/l	96
8) Diethyl Ether	3.593	74	33035	46.083	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.975	101	73995	50.665	ug/l	94
10) Methyl Iodide	4.169	142	68974	53.361	ug/l	92
11) Tert butyl alcohol	5.058	59	16291	238.906	ug/l	98
12) 1,1-Dichloroethene	3.946	96	69023	47.884	ug/l #	82
13) Acrolein	3.805	56	24533	164.127	ug/l	100
14) Allyl chloride	4.569	41	85900	43.329	ug/l	91
15) Acrylonitrile	5.252	53	72090	234.875	ug/l	97
16) Acetone	4.022	43	83238	275.823	ug/l #	83
17) Carbon Disulfide	4.281	76	196127	40.217	ug/l	97
18) Methyl Acetate	4.569	43	56560	50.824	ug/l	92
19) Methyl tert-butyl Ether	5.316	73	149108	48.756	ug/l	98
20) Methylene Chloride	4.805	84	80140	47.662	ug/l #	86
21) trans-1,2-Dichloroethene	5.316	96	79041	48.412	ug/l	96
22) Diisopropyl ether	6.216	45	193316	46.662	ug/l	94
23) Vinyl Acetate	6.163	43	436346m	215.679	ug/l	
24) 1,1-Dichloroethane	6.116	63	134709	48.015	ug/l	97
25) 2-Butanone	7.081	43	95987	246.932	ug/l	90
26) 2,2-Dichloropropane	7.081	77	114996	48.819	ug/l	96
27) cis-1,2-Dichloroethene	7.081	96	89005	50.663	ug/l	91
28) Bromochloromethane	7.428	49	61187	53.973	ug/l #	79
29) Tetrahydrofuran	7.440	42	50269	223.401	ug/l	87
30) Chloroform	7.599	83	141780	50.494	ug/l	97
31) Cyclohexane	7.881	56	105192	41.853	ug/l	93
32) 1,1,1-Trichloroethane	7.799	97	122553	49.510	ug/l	99
36) 1,1-Dichloropropene	8.010	75	109763	49.570	ug/l	96
37) Ethyl Acetate	7.175	43	35122	40.679	ug/l	98
38) Carbon Tetrachloride	7.993	117	108961	49.359	ug/l	97
39) Methylcyclohexane	9.275	83	127709	48.651	ug/l	88
40) Benzene	8.252	78	308062	49.018	ug/l	98

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41) Methacrylonitrile	7.399	41	22749m	51.840	ug/l	
42) 1,2-Dichloroethane	8.328	62	81149	49.813	ug/l	93
43) Isopropyl Acetate	8.363	43	69550	45.315	ug/l	95
44) Trichloroethene	9.034	130	80987	49.450	ug/l	98
45) 1,2-Dichloropropane	9.310	63	76250	49.909	ug/l	99
46) Dibromomethane	9.393	93	41867	51.792	ug/l	95
47) Bromodichloromethane	9.587	83	109413	53.400	ug/l #	97
48) Methyl methacrylate	9.381	41	39870	45.698	ug/l #	81
49) 1,4-Dioxane	9.387	88	7944	989.683	ug/l #	85
51) 4-Methyl-2-Pentanone	10.157	43	185513	236.834	ug/l	92
52) Toluene	10.334	92	199308	51.126	ug/l	99
53) t-1,3-Dichloropropene	10.551	75	102028	51.855	ug/l	98
54) cis-1,3-Dichloropropene	10.016	75	118846	49.959	ug/l #	88
55) 1,1,2-Trichloroethane	10.734	97	57188	51.720	ug/l	92
56) Ethyl methacrylate	10.599	69	48923	50.192	ug/l	89
57) 1,3-Dichloropropane	10.881	76	96135	50.439	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	116910	210.322	ug/l	94
59) 2-Hexanone	10.922	43	143818	221.304	ug/l	91
60) Dibromochloromethane	11.075	129	71374	53.614	ug/l	96
61) 1,2-Dibromoethane	11.181	107	54334	52.202	ug/l	99
64) Tetrachloroethene	10.810	164	65966	49.612	ug/l	96
65) Chlorobenzene	11.610	112	213789	50.138	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.681	131	78700	52.315	ug/l	98
67) Ethyl Benzene	11.687	91	393258	52.215	ug/l	96
68) m/p-Xylenes	11.793	106	304775	105.793	ug/l	92
69) o-Xylene	12.122	106	137346	51.730	ug/l	90
70) Styrene	12.140	104	213670	54.122	ug/l	96
71) Bromoform	12.304	173	41657	52.997	ug/l #	100
73) Isopropylbenzene	12.422	105	381896	50.967	ug/l	97
74) N-amyl acetate	12.234	43	62303	42.300	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.675	83	66197	50.668	ug/l	100
76) 1,2,3-Trichloropropane	12.728	75	47549m	55.378	ug/l	
77) Bromobenzene	12.704	156	86234	48.929	ug/l	90
78) n-propylbenzene	12.763	91	472676	51.770	ug/l	95
79) 2-Chlorotoluene	12.851	91	249640	51.019	ug/l	96
80) 1,3,5-Trimethylbenzene	12.904	105	321727	51.481	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.469	75	21008	49.572	ug/l	94
82) 4-Chlorotoluene	12.945	91	263692	51.549	ug/l	97
83) tert-Butylbenzene	13.169	119	277884	52.670	ug/l	98
84) 1,2,4-Trimethylbenzene	13.216	105	325201	52.027	ug/l	97
85) sec-Butylbenzene	13.345	105	412953	52.952	ug/l	98
86) p-Isopropyltoluene	13.463	119	368381	52.759	ug/l	97
87) 1,3-Dichlorobenzene	13.463	146	184312	51.139	ug/l	98
88) 1,4-Dichlorobenzene	13.540	146	179274	49.828	ug/l	98
89) n-Butylbenzene	13.787	91	350949	53.416	ug/l	97
90) Hexachloroethane	14.057	117	69034	53.761	ug/l	98
91) 1,2-Dichlorobenzene	13.834	146	158458	51.695	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.451	75	9375	49.527	ug/l	98
93) 1,2,4-Trichlorobenzene	15.098	180	99790	47.661	ug/l	99
94) Hexachlorobutadiene	15.204	225	56026	49.623	ug/l	98
95) Naphthalene	15.334	128	175428	50.428	ug/l	100
96) 1,2,3-Trichlorobenzene	15.522	180	83944	48.632	ug/l	100

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

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