

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122023\
 Data File : VD077986.D
 Acq On : 20 Dec 2023 10:40
 Operator : RP/MD
 Sample : VD1220SBS01
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1220SBS01

Quant Time: Dec 21 05:20:50 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	124755	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.781	114	208231	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	190399	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	101331	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	62350	42.413	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	84.820%		
35) Dibromofluoromethane	7.810	113	66382	45.511	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	91.020%		
50) Toluene-d8	10.275	98	257621	44.099	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	88.200%		
62) 4-Bromofluorobenzene	12.575	95	76400	43.743	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	87.480%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.934	85	27577	17.696	ug/l	91
3) Chloromethane	2.152	50	40926	19.267	ug/l	98
4) Vinyl Chloride	2.287	62	58080	20.141	ug/l	96
5) Bromomethane	2.693	94	40578	25.077	ug/l	99
6) Chloroethane	2.840	64	42369	21.551	ug/l	94
7) Trichlorofluoromethane	3.181	101	52213	19.659	ug/l	100
8) Diethyl Ether	3.599	74	13631	18.278	ug/l	86
9) 1,1,2-Trichlorotrifluo...	3.975	101	30253	19.911	ug/l	96
10) Methyl Iodide	4.175	142	26867	24.197	ug/l	91
11) Tert butyl alcohol	5.046	59	7611	100.784	ug/l	98
12) 1,1-Dichloroethene	3.946	96	27780	18.525	ug/l	91
13) Acrolein	3.799	56	10717	68.917	ug/l	99
14) Allyl chloride	4.558	41	36226	17.564	ug/l	89
15) Acrylonitrile	5.257	53	30455	95.378	ug/l	97
16) Acetone	4.022	43	41345	112.822	ug/l #	86
17) Carbon Disulfide	4.281	76	77366	15.249	ug/l	96
18) Methyl Acetate	4.569	43	20928	18.076	ug/l	90
19) Methyl tert-butyl Ether	5.322	73	59112	18.579	ug/l	98
20) Methylene Chloride	4.805	84	36397	17.785	ug/l	92
21) trans-1,2-Dichloroethene	5.316	96	31916	18.790	ug/l	83
22) Diisopropyl ether	6.222	45	79099	18.352	ug/l	93
23) Vinyl Acetate	6.157	43	184803m	87.803	ug/l	
24) 1,1-Dichloroethane	6.116	63	56227	19.264	ug/l	98
25) 2-Butanone	7.087	43	46874	107.433	ug/l #	85
26) 2,2-Dichloropropane	7.081	77	48398	19.750	ug/l	95
27) cis-1,2-Dichloroethene	7.087	96	35380	19.358	ug/l	88
28) Bromochloromethane	7.434	49	21686	18.387	ug/l	84
29) Tetrahydrofuran	7.451	42	20778	88.760	ug/l	92
30) Chloroform	7.599	83	59059	20.218	ug/l	88
31) Cyclohexane	7.881	56	44297	16.941	ug/l	89
32) 1,1,1-Trichloroethane	7.799	97	49835	19.352	ug/l	96
36) 1,1-Dichloropropene	8.010	75	42932	18.401	ug/l	97
37) Ethyl Acetate	7.169	43	15645	17.198	ug/l	95
38) Carbon Tetrachloride	7.998	117	45853	19.714	ug/l	97
39) Methylcyclohexane	9.281	83	51266	18.535	ug/l	97
40) Benzene	8.257	78	130017	19.635	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	8116	17.553	ug/l #	87
42) 1,2-Dichloroethane	8.328	62	34401	20.042	ug/l	98
43) Isopropyl Acetate	8.363	43	28513	17.632	ug/l	93
44) Trichloroethene	9.034	130	33829	19.604	ug/l	93
45) 1,2-Dichloropropane	9.310	63	33105	20.565	ug/l	96
46) Dibromomethane	9.398	93	17332	20.349	ug/l	91
47) Bromodichloromethane	9.587	83	46249	21.423	ug/l	99
48) Methyl methacrylate	9.387	41	16548	18.001	ug/l #	79
49) 1,4-Dioxane	9.393	88	2800	331.069	ug/l #	42
51) 4-Methyl-2-Pentanone	10.163	43	76840	93.102	ug/l	92
52) Toluene	10.334	92	81093	19.742	ug/l	99
53) t-1,3-Dichloropropene	10.557	75	40360	19.468	ug/l	97
54) cis-1,3-Dichloropropene	10.022	75	49003	19.550	ug/l #	93
55) 1,1,2-Trichloroethane	10.734	97	24088	20.676	ug/l #	93
56) Ethyl methacrylate	10.604	69	19666	19.149	ug/l #	87
57) 1,3-Dichloropropane	10.881	76	39396	19.617	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.869	63	42670	72.855	ug/l	97
59) 2-Hexanone	10.922	43	64831	94.681	ug/l	92
60) Dibromochloromethane	11.075	129	29399	20.959	ug/l	97
61) 1,2-Dibromoethane	11.181	107	21754	19.836	ug/l	100
64) Tetrachloroethene	10.810	164	26476	18.919	ug/l	96
65) Chlorobenzene	11.610	112	86829	18.163	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.681	131	32336	20.423	ug/l	97
67) Ethyl Benzene	11.687	91	152954	19.296	ug/l	98
68) m/p-Xylenes	11.798	106	118318	39.022	ug/l	92
69) o-Xylene	12.122	106	54817	19.617	ug/l	93
70) Styrene	12.139	104	81760	19.677	ug/l	93
71) Bromoform	12.298	173	16770	20.271	ug/l #	99
73) Isopropylbenzene	12.422	105	146412	19.064	ug/l	95
74) N-amyl acetate	12.234	43	26723	17.701	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.675	83	27888	20.826	ug/l	96
76) 1,2,3-Trichloropropane	12.722	75	19101m	21.704	ug/l	
77) Bromobenzene	12.704	156	33435	18.509	ug/l	88
78) n-propylbenzene	12.763	91	183296	19.586	ug/l	97
79) 2-Chlorotoluene	12.851	91	99614	19.862	ug/l	94
80) 1,3,5-Trimethylbenzene	12.904	105	123187	19.232	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.469	75	8780	20.213	ug/l	90
82) 4-Chlorotoluene	12.951	91	105126	20.051	ug/l	94
83) tert-Butylbenzene	13.169	119	104642	19.351	ug/l	96
84) 1,2,4-Trimethylbenzene	13.216	105	124433	19.423	ug/l	97
85) sec-Butylbenzene	13.345	105	159613	19.968	ug/l	97
86) p-Isopropyltoluene	13.463	119	140026	19.566	ug/l	97
87) 1,3-Dichlorobenzene	13.457	146	71374	19.321	ug/l	96
88) 1,4-Dichlorobenzene	13.539	146	71950	18.502	ug/l	98
89) n-Butylbenzene	13.786	91	134139	19.919	ug/l	98
90) Hexachloroethane	14.051	117	28183	21.413	ug/l	94
91) 1,2-Dichlorobenzene	13.834	146	62765	19.978	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.451	75	4006	20.065	ug/l	89
93) 1,2,4-Trichlorobenzene	15.098	180	38412	17.899	ug/l	96
94) Hexachlorobutadiene	15.204	225	22083	19.083	ug/l	99
95) Naphthalene	15.333	128	63429	17.789	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.522	180	32084	18.135	ug/l	98

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

