

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122123\
 Data File : VD078041.D
 Acq On : 21 Dec 2023 23:49
 Operator : RP/MD
 Sample : VD1221SBS02
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1221SBS02

Quant Time: Dec 22 05:43:00 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 12/22/2023
 Supervised By :Semsettin Yesilyurt 12/22/2023

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	101628	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	184647	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	168418	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	84529	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	67213	56.126	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 112.260%			
35) Dibromofluoromethane	7.805	113	73835	57.087	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 114.180%			
50) Toluene-d8	10.269	98	285082	55.033	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 110.060%			
62) 4-Bromofluorobenzene	12.575	95	84046	54.267	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 108.540%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	23914	18.837	ug/l	99
3) Chloromethane	2.152	50	38697	22.363	ug/l	91
4) Vinyl Chloride	2.287	62	54541	23.217	ug/l	95
5) Bromomethane	2.693	94	45515	34.529	ug/l	96
6) Chloroethane	2.846	64	40469	25.268	ug/l	96
7) Trichlorofluoromethane	3.181	101	44640	20.633	ug/l	94
8) Diethyl Ether	3.593	74	13205	21.736	ug/l	88
9) 1,1,2-Trichlorotrifluo...	3.975	101	27686	22.368	ug/l	96
10) Methyl Iodide	4.164	142	28160	29.200	ug/l	91
11) Tert butyl alcohol	5.046	59	5584	89.596	ug/l #	93
12) 1,1-Dichloroethene	3.946	96	26413	21.622	ug/l #	80
13) Acrolein	3.799	56	8992	70.983	ug/l	99
14) Allyl chloride	4.569	41	34316	20.425	ug/l	90
15) Acrylonitrile	5.263	53	28865	110.970	ug/l	97
16) Acetone	4.022	43	33604	112.484	ug/l	88
17) Carbon Disulfide	4.275	76	69986	16.934	ug/l	97
18) Methyl Acetate	4.564	43	21242	22.523	ug/l	91
19) Methyl tert-butyl Ether	5.322	73	59410	22.922	ug/l	97
20) Methylene Chloride	4.811	84	44235	29.173	ug/l	89
21) trans-1,2-Dichloroethene	5.316	96	30711	22.195	ug/l #	83
22) Diisopropyl ether	6.222	45	76886	21.899	ug/l #	94
23) Vinyl Acetate	6.158	43	157946m	92.120	ug/l	
24) 1,1-Dichloroethane	6.110	63	57989	24.389	ug/l	98
25) 2-Butanone	7.087	43	39018	110.127	ug/l #	81
26) 2,2-Dichloropropane	7.075	77	44696	22.390	ug/l	96
27) cis-1,2-Dichloroethene	7.087	96	36876	24.768	ug/l	93
28) Bromochloromethane	7.434	49	19804	20.613	ug/l	81
29) Tetrahydrofuran	7.452	42	18824	98.712	ug/l	92
30) Chloroform	7.593	83	61011	25.639	ug/l	100
31) Cyclohexane	7.881	56	37781	17.737	ug/l	91
32) 1,1,1-Trichloroethane	7.793	97	50150	23.906	ug/l	98
36) 1,1-Dichloropropene	8.010	75	41362	19.993	ug/l	96
37) Ethyl Acetate	7.175	43	13254	16.430	ug/l #	93
38) Carbon Tetrachloride	7.993	117	43215	20.953	ug/l	93
39) Methylcyclohexane	9.275	83	41534	16.935	ug/l	98
40) Benzene	8.252	78	128772	21.930	ug/l	96

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41) Methacrylonitrile	7.399	41	7968m	19.434	ug/l	
42) 1,2-Dichloroethane	8.328	62	35676	23.439	ug/l	95
43) Isopropyl Acetate	8.363	43	27342	19.067	ug/l #	82
44) Trichloroethene	9.028	130	34741	22.704	ug/l	98
45) 1,2-Dichloropropane	9.310	63	32552	22.805	ug/l	90
46) Dibromomethane	9.399	93	17808	23.578	ug/l	88
47) Bromodichloromethane	9.581	83	44730	23.366	ug/l	96
48) Methyl methacrylate	9.387	41	15910	19.518	ug/l	80
49) 1,4-Dioxane	9.381	88	2506	334.152	ug/l #	56
51) 4-Methyl-2-Pentanone	10.157	43	69854	95.448	ug/l	92
52) Toluene	10.334	92	80564	22.119	ug/l	98
53) t-1,3-Dichloropropene	10.551	75	39736	21.615	ug/l	94
54) cis-1,3-Dichloropropene	10.016	75	49631	22.330	ug/l #	93
55) 1,1,2-Trichloroethane	10.734	97	24253	23.476	ug/l	96
56) Ethyl methacrylate	10.593	69	18185	19.968	ug/l #	82
57) 1,3-Dichloropropane	10.881	76	40192	22.570	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.869	63	41462	79.834	ug/l	93
59) 2-Hexanone	10.922	43	54164	89.206	ug/l	92
60) Dibromochloromethane	11.075	129	30168	24.254	ug/l	99
61) 1,2-Dibromoethane	11.181	107	22411	23.045	ug/l	96
64) Tetrachloroethene	10.810	164	27777	22.440	ug/l	94
65) Chlorobenzene	11.610	112	87164	20.873	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.681	131	32937	23.518	ug/l	97
67) Ethyl Benzene	11.687	91	155152	22.127	ug/l	97
68) m/p-Xylenes	11.793	106	116215	43.331	ug/l	90
69) o-Xylene	12.122	106	53386	21.598	ug/l	89
70) Styrene	12.134	104	83243	22.648	ug/l	93
71) Bromoform	12.298	173	17559	23.995	ug/l #	94
73) Isopropylbenzene	12.422	105	144929	22.622	ug/l	96
74) N-amyl acetate	12.234	43	24364	19.347	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.675	83	27516	24.632	ug/l	98
76) 1,2,3-Trichloropropane	12.716	75	17968m	24.475	ug/l	
77) Bromobenzene	12.698	156	34180	22.682	ug/l	89
78) n-propylbenzene	12.763	91	181488	23.248	ug/l	94
79) 2-Chlorotoluene	12.845	91	96383	23.038	ug/l	96
80) 1,3,5-Trimethylbenzene	12.904	105	120901	22.627	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.469	75	8556	23.613	ug/l #	94
82) 4-Chlorotoluene	12.945	91	103438	23.650	ug/l	96
83) tert-Butylbenzene	13.163	119	106748	23.664	ug/l	97
84) 1,2,4-Trimethylbenzene	13.210	105	123560	23.120	ug/l	95
85) sec-Butylbenzene	13.345	105	150914	22.633	ug/l	96
86) p-Isopropyltoluene	13.463	119	133611	22.381	ug/l	98
87) 1,3-Dichlorobenzene	13.457	146	72489	23.523	ug/l	97
88) 1,4-Dichlorobenzene	13.540	146	70948	22.173	ug/l	97
89) n-Butylbenzene	13.787	91	126148	22.456	ug/l	97
90) Hexachloroethane	14.051	117	27475	25.025	ug/l	94
91) 1,2-Dichlorobenzene	13.828	146	61711	23.546	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.451	75	3695	22.291	ug/l	90
93) 1,2,4-Trichlorobenzene	15.098	180	36396	20.331	ug/l	97
94) Hexachlorobutadiene	15.198	225	19409	20.106	ug/l	98
95) Naphthalene	15.328	128	63201	21.248	ug/l	95
96) 1,2,3-Trichlorobenzene	15.522	180	30811	20.877	ug/l	99

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

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