

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122123\
 Data File : VD078042.D
 Acq On : 22 Dec 2023 00:43
 Operator : RP/MD
 Sample : VD1221SBS02
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1221SBS02

Quant Time: Dec 22 05:45:56 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	7.881	168	99477	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	174877	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	154110	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	80566	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	67582	57.654	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 115.300%			
35) Dibromofluoromethane	7.804	113	72251	58.983	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 117.960%			
50) Toluene-d8	10.269	98	275097	56.072	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 112.140%			
62) 4-Bromofluorobenzene	12.575	95	81831	55.789	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 111.580%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.934	85	26034	20.951	ug/l	99
3) Chloromethane	2.152	50	38416	22.680	ug/l	94
4) Vinyl Chloride	2.287	62	54118	23.535	ug/l	99
5) Bromomethane	2.693	94	43792	33.940	ug/l	96
6) Chloroethane	2.840	64	39845	25.417	ug/l	95
7) Trichlorofluoromethane	3.181	101	46189	21.810	ug/l	90
8) Diethyl Ether	3.593	74	12816	21.552	ug/l	85
9) 1,1,2-Trichlorotrifluo...	3.975	101	28914	23.866	ug/l	95
10) Methyl Iodide	4.169	142	28842	30.242	ug/l #	91
11) Tert butyl alcohol	5.063	59	6327m	105.573	ug/l	
12) 1,1-Dichloroethene	3.946	96	27472	22.975	ug/l	95
13) Acrolein	3.805	56	9374	75.599	ug/l	99
14) Allyl chloride	4.563	41	33976	20.660	ug/l	89
15) Acrylonitrile	5.258	53	30409	119.433	ug/l	95
16) Acetone	4.028	43	33766	116.428	ug/l	88
17) Carbon Disulfide	4.275	76	70188	17.350	ug/l	99
18) Methyl Acetate	4.569	43	28011	30.342	ug/l	93
19) Methyl tert-butyl Ether	5.322	73	59225	23.345	ug/l	98
20) Methylene Chloride	4.805	84	42096	28.213	ug/l	91
21) trans-1,2-Dichloroethene	5.322	96	32757	24.186	ug/l	93
22) Diisopropyl ether	6.222	45	76644	22.302	ug/l	97
23) Vinyl Acetate	6.157	43	153971m	91.744	ug/l	
24) 1,1-Dichloroethane	6.116	63	56840	24.423	ug/l	99
25) 2-Butanone	7.087	43	39793	115.413	ug/l #	85
26) 2,2-Dichloropropane	7.081	77	45120	23.091	ug/l	93
27) cis-1,2-Dichloroethene	7.081	96	37431	25.684	ug/l	92
28) Bromochloromethane	7.434	49	18259	19.416	ug/l	87
29) Tetrahydrofuran	7.446	42	19529	104.623	ug/l	92
30) Chloroform	7.599	83	60684	26.053	ug/l	99
31) Cyclohexane	7.881	56	39461	18.927	ug/l	94
32) 1,1,1-Trichloroethane	7.799	97	49863	24.284	ug/l	99
36) 1,1-Dichloropropene	8.010	75	42162	21.518	ug/l	95
37) Ethyl Acetate	7.175	43	13751	17.999	ug/l #	74
38) Carbon Tetrachloride	7.999	117	44633	22.849	ug/l	93
39) Methylcyclohexane	9.275	83	43852	18.879	ug/l	93
40) Benzene	8.252	78	128568	23.119	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.404	41	9600	24.722	ug/l #	70
42) 1,2-Dichloroethane	8.328	62	35325	24.505	ug/l	94
43) Isopropyl Acetate	8.369	43	26837	19.760	ug/l	97
44) Trichloroethene	9.034	130	33396	23.044	ug/l	90
45) 1,2-Dichloropropane	9.310	63	32539	24.069	ug/l	96
46) Dibromomethane	9.399	93	17560	24.549	ug/l	90
47) Bromodichloromethane	9.587	83	46080	25.416	ug/l	94
48) Methyl methacrylate	9.381	41	14924	19.331	ug/l #	84
49) 1,4-Dioxane	9.387	88	2799	394.072	ug/l #	77
51) 4-Methyl-2-Pentanone	10.157	43	71957	103.815	ug/l	93
52) Toluene	10.334	92	81701	23.684	ug/l	96
53) t-1,3-Dichloropropene	10.551	75	39861	22.895	ug/l	99
54) cis-1,3-Dichloropropene	10.016	75	48518	23.049	ug/l #	89
55) 1,1,2-Trichloroethane	10.734	97	24336	24.873	ug/l	97
56) Ethyl methacrylate	10.598	69	18495	21.443	ug/l #	86
57) 1,3-Dichloropropane	10.881	76	39900	23.658	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.869	63	43475	88.387	ug/l	92
59) 2-Hexanone	10.922	43	55148	95.901	ug/l	93
60) Dibromochloromethane	11.075	129	30053	25.512	ug/l	97
61) 1,2-Dibromoethane	11.181	107	23328	25.328	ug/l	96
64) Tetrachloroethene	10.810	164	28768	25.398	ug/l	93
65) Chlorobenzene	11.610	112	89049	23.529	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.681	131	32163	25.097	ug/l	97
67) Ethyl Benzene	11.687	91	152839	23.821	ug/l	95
68) m/p-Xylenes	11.798	106	119502	48.693	ug/l	92
69) o-Xylene	12.122	106	54298	24.006	ug/l	93
70) Styrene	12.140	104	80919	24.060	ug/l	93
71) Bromoform	12.298	173	16020	23.925	ug/l #	99
73) Isopropylbenzene	12.422	105	145091	23.761	ug/l	96
74) N-amyl acetate	12.234	43	21151	17.621	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.675	83	27352	25.690	ug/l	99
76) 1,2,3-Trichloropropane	12.722	75	18070m	25.825	ug/l	
77) Bromobenzene	12.704	156	35407	24.652	ug/l	94
78) n-propylbenzene	12.763	91	179042	24.063	ug/l	96
79) 2-Chlorotoluene	12.851	91	97142	24.362	ug/l	95
80) 1,3,5-Trimethylbenzene	12.904	105	119650	23.494	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.469	75	7882	22.823	ug/l	91
82) 4-Chlorotoluene	12.945	91	103603	24.853	ug/l	95
83) tert-Butylbenzene	13.169	119	105274	24.485	ug/l	98
84) 1,2,4-Trimethylbenzene	13.216	105	122694	24.087	ug/l	98
85) sec-Butylbenzene	13.345	105	152640	24.018	ug/l	96
86) p-Isopropyltoluene	13.463	119	133249	23.418	ug/l	97
87) 1,3-Dichlorobenzene	13.457	146	72588	24.714	ug/l	97
88) 1,4-Dichlorobenzene	13.539	146	70535	23.200	ug/l	98
89) n-Butylbenzene	13.787	91	125888	23.512	ug/l	97
90) Hexachloroethane	14.051	117	27021	25.822	ug/l	97
91) 1,2-Dichlorobenzene	13.834	146	62077	24.851	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.451	75	3489	22.075	ug/l	96
93) 1,2,4-Trichlorobenzene	15.098	180	35781	20.971	ug/l	98
94) Hexachlorobutadiene	15.204	225	19371	21.054	ug/l	95
95) Naphthalene	15.333	128	63666	22.458	ug/l	97
96) 1,2,3-Trichlorobenzene	15.522	180	29556	21.012	ug/l	97

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

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