

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122123\
 Data File : VD078024.D
 Acq On : 21 Dec 2023 14:10
 Operator : RP/MD
 Sample : VD1221SBS01
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1221SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 12/22/2023
 Supervised By :Semsettin Yesilyurt 12/22/2023

Quant Time: Dec 22 05:13:45 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	7.881	168	109995	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	196587	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	181174	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	95827	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	69285	53.455	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.920%			
35) Dibromofluoromethane	7.810	113	74621	54.190	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.380%			
50) Toluene-d8	10.269	98	287734	52.171	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 104.340%			
62) 4-Bromofluorobenzene	12.575	95	84670	51.350	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 102.700%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.934	85	28178	20.508	ug/l	92
3) Chloromethane	2.152	50	38230	20.412	ug/l	96
4) Vinyl Chloride	2.293	62	55082	21.664	ug/l	96
5) Bromomethane	2.693	94	43119	30.223	ug/l	95
6) Chloroethane	2.846	64	40694	23.476	ug/l	97
7) Trichlorofluoromethane	3.187	101	49423	21.106	ug/l	96
8) Diethyl Ether	3.605	74	13975	21.253	ug/l	81
9) 1,1,2-Trichlorotrifluo...	3.975	101	29596	22.093	ug/l	98
10) Methyl Iodide	4.169	142	27014	26.648	ug/l #	88
11) Tert butyl alcohol	5.046	59	7438m	112.989	ug/l	
12) 1,1-Dichloroethene	3.946	96	27922	21.118	ug/l	87
13) Acrolein	3.793	56	10130	73.884	ug/l	100
14) Allyl chloride	4.569	41	35761	19.666	ug/l	92
15) Acrylonitrile	5.257	53	30816	109.458	ug/l	95
16) Acetone	4.022	43	40193	128.100	ug/l	94
17) Carbon Disulfide	4.275	76	71230	15.924	ug/l	96
18) Methyl Acetate	4.563	43	21182	20.751	ug/l	91
19) Methyl tert-butyl Ether	5.328	73	62908	22.425	ug/l	98
20) Methylene Chloride	4.810	84	43665	26.135	ug/l	92
21) trans-1,2-Dichloroethene	5.328	96	32282	21.556	ug/l	97
22) Diisopropyl ether	6.216	45	81896	21.551	ug/l	95
23) Vinyl Acetate	6.163	43	181252m	97.672	ug/l	
24) 1,1-Dichloroethane	6.116	63	54970	21.361	ug/l	98
25) 2-Butanone	7.087	43	46172	121.897	ug/l	89
26) 2,2-Dichloropropane	7.081	77	45733	21.166	ug/l	77
27) cis-1,2-Dichloroethene	7.087	96	37280	23.135	ug/l	90
28) Bromochloromethane	7.434	49	22754	21.882	ug/l	84
29) Tetrahydrofuran	7.451	42	20360	98.645	ug/l	94
30) Chloroform	7.599	83	60616	23.535	ug/l	99
31) Cyclohexane	7.881	56	41633	18.059	ug/l	86
32) 1,1,1-Trichloroethane	7.799	97	49586	21.839	ug/l	98
36) 1,1-Dichloropropene	8.016	75	42322	19.214	ug/l	97
37) Ethyl Acetate	7.169	43	16405	19.101	ug/l #	96
38) Carbon Tetrachloride	7.998	117	44276	20.163	ug/l	94
39) Methylcyclohexane	9.281	83	46629	17.857	ug/l	93
40) Benzene	8.257	78	129661	20.741	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	9187	21.046	ug/l #	88
42) 1,2-Dichloroethane	8.328	62	35299	21.783	ug/l	97
43) Isopropyl Acetate	8.363	43	30481	19.965	ug/l	95
44) Trichloroethene	9.034	130	32749	20.102	ug/l	82
45) 1,2-Dichloropropane	9.304	63	32786	21.574	ug/l	99
46) Dibromomethane	9.398	93	17941	22.312	ug/l	90
47) Bromodichloromethane	9.587	83	45439	22.294	ug/l	96
48) Methyl methacrylate	9.381	41	18030	20.775	ug/l #	77
49) 1,4-Dioxane	9.375	88	3242	406.035	ug/l #	75
51) 4-Methyl-2-Pentanone	10.157	43	79640	102.210	ug/l	91
52) Toluene	10.334	92	80073	20.649	ug/l	99
53) t-1,3-Dichloropropene	10.557	75	42241	21.582	ug/l	100
54) cis-1,3-Dichloropropene	10.022	75	49681	20.995	ug/l #	92
55) 1,1,2-Trichloroethane	10.734	97	25404	23.097	ug/l #	90
56) Ethyl methacrylate	10.598	69	19996	20.623	ug/l	89
57) 1,3-Dichloropropane	10.881	76	41269	21.767	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.875	63	44249	80.026	ug/l	95
59) 2-Hexanone	10.922	43	64860	100.334	ug/l	92
60) Dibromochloromethane	11.075	129	31410	23.719	ug/l	96
61) 1,2-Dibromoethane	11.181	107	23330	22.533	ug/l	100
64) Tetrachloroethene	10.810	164	26107	19.606	ug/l	96
65) Chlorobenzene	11.610	112	89013	19.717	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.681	131	31613	20.983	ug/l	98
67) Ethyl Benzene	11.687	91	152081	20.162	ug/l	95
68) m/p-Xylenes	11.798	106	117453	40.709	ug/l	91
69) o-Xylene	12.122	106	53482	20.113	ug/l	90
70) Styrene	12.134	104	83035	21.001	ug/l	94
71) Bromoform	12.304	173	16929	21.505	ug/l #	100
73) Isopropylbenzene	12.422	105	145646	20.054	ug/l	97
74) N-amyl acetate	12.234	43	27342	19.152	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.675	83	28489	22.497	ug/l	99
76) 1,2,3-Trichloropropane	12.728	75	19348m	23.247	ug/l	
77) Bromobenzene	12.698	156	35177	20.592	ug/l	93
78) n-propylbenzene	12.763	91	183962	20.787	ug/l	94
79) 2-Chlorotoluene	12.851	91	98753	20.822	ug/l	96
80) 1,3,5-Trimethylbenzene	12.904	105	120704	19.926	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.475	75	8729	21.250	ug/l	89
82) 4-Chlorotoluene	12.945	91	103618	20.898	ug/l	97
83) tert-Butylbenzene	13.169	119	104732	20.480	ug/l	96
84) 1,2,4-Trimethylbenzene	13.210	105	120480	19.886	ug/l	98
85) sec-Butylbenzene	13.345	105	154327	20.416	ug/l	95
86) p-Isopropyltoluene	13.463	119	136571	20.179	ug/l	97
87) 1,3-Dichlorobenzene	13.457	146	73039	20.907	ug/l	97
88) 1,4-Dichlorobenzene	13.539	146	73561	20.137	ug/l	97
89) n-Butylbenzene	13.786	91	129087	20.270	ug/l	98
90) Hexachloroethane	14.051	117	28414	22.829	ug/l	88
91) 1,2-Dichlorobenzene	13.834	146	61789	20.796	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.445	75	4164	22.153	ug/l	89
93) 1,2,4-Trichlorobenzene	15.098	180	39811	19.617	ug/l	95
94) Hexachlorobutadiene	15.204	225	20512	18.743	ug/l	97
95) Naphthalene	15.333	128	66415	19.696	ug/l #	91
96) 1,2,3-Trichlorobenzene	15.522	180	32984	19.714	ug/l	99

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

