

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022224\
 Data File : VD078513.D
 Acq On : 22 Feb 2024 13:13
 Operator : RP/MD
 Sample : VD0222SBS01
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0222SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 02/23/2024
 Supervised By :Semsettin Yesilyurt 02/23/2024

Quant Time: Feb 23 01:02:32 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D021324S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 14 01:16:20 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	117990	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	200657	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	187138	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	94733	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	68443	53.649	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.300%			
35) Dibromofluoromethane	7.804	113	76880	60.316	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 120.640%			
50) Toluene-d8	10.269	98	293390	57.541	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 115.080%			
62) 4-Bromofluorobenzene	12.575	95	85107	57.359	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 114.720%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	21679	18.648	ug/l	97
3) Chloromethane	2.152	50	41098	19.236	ug/l	99
4) Vinyl Chloride	2.281	62	64101	19.662	ug/l	99
5) Bromomethane	2.687	94	49015	21.782	ug/l	100
6) Chloroethane	2.834	64	50321	21.168	ug/l	97
7) Trichlorofluoromethane	3.175	101	48484	22.046	ug/l	97
8) Diethyl Ether	3.599	74	14264	22.518	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.964	101	29425	21.209	ug/l	97
10) Methyl Iodide	4.158	142	27120	21.825	ug/l #	90
11) Tert butyl alcohol	5.063	59	8824	124.787	ug/l #	89
12) 1,1-Dichloroethene	3.940	96	26430	20.548	ug/l	85
13) Acrolein	3.799	56	11161	94.698	ug/l	96
14) Allyl chloride	4.558	41	31334	19.719	ug/l	90
15) Acrylonitrile	5.258	53	29653	109.354	ug/l	96
16) Acetone	4.028	43	36167	134.263	ug/l	93
17) Carbon Disulfide	4.275	76	76472	17.669	ug/l	97
18) Methyl Acetate	4.575	43	11013	15.123	ug/l	98
19) Methyl tert-butyl Ether	5.322	73	61138	22.372	ug/l	99
20) Methylene Chloride	4.805	84	40076	26.264	ug/l #	85
21) trans-1,2-Dichloroethene	5.316	96	31381	20.739	ug/l	92
22) Diisopropyl ether	6.216	45	76531	21.852	ug/l #	87
23) Vinyl Acetate	6.163	43	200847m	133.386	ug/l	
24) 1,1-Dichloroethane	6.110	63	54538	21.982	ug/l	98
25) 2-Butanone	7.087	43	44373	129.727	ug/l #	84
26) 2,2-Dichloropropane	7.081	77	47437	22.808	ug/l	96
27) cis-1,2-Dichloroethene	7.087	96	36313	21.873	ug/l	94
28) Bromochloromethane	7.428	49	20452	20.813	ug/l	86
29) Tetrahydrofuran	7.446	42	20288	106.933	ug/l	92
30) Chloroform	7.599	83	60158	22.917	ug/l	93
31) Cyclohexane	7.881	56	41333	19.153	ug/l	96
32) 1,1,1-Trichloroethane	7.793	97	50448	22.541	ug/l	99
36) 1,1-Dichloropropene	8.010	75	42507	21.467	ug/l	97
37) Ethyl Acetate	7.175	43	16037	23.104	ug/l #	73
38) Carbon Tetrachloride	7.993	117	43305	22.084	ug/l	99
39) Methylcyclohexane	9.275	83	45960	19.552	ug/l	96
40) Benzene	8.252	78	129597	22.644	ug/l	98

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 Quant Title : SW846 8260
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	7710	21.343	ug/l #	89
42) 1,2-Dichloroethane	8.328	62	34234	23.117	ug/l	99
43) Isopropyl Acetate	8.369	43	28571	22.229	ug/l	94
44) Trichloroethene	9.028	130	34038	23.312	ug/l	80
45) 1,2-Dichloropropane	9.304	63	32788	23.349	ug/l	92
46) Dibromomethane	9.399	93	18953	23.996	ug/l	93
47) Bromodichloromethane	9.587	83	46545	23.792	ug/l	98
48) Methyl methacrylate	9.375	41	12913	18.937	ug/l #	86
49) 1,4-Dioxane	9.393	88	4024	470.441	ug/l #	81
51) 4-Methyl-2-Pentanone	10.163	43	80096	117.412	ug/l	93
52) Toluene	10.334	92	82498	22.794	ug/l	99
53) t-1,3-Dichloropropene	10.551	75	41028	22.984	ug/l	93
54) cis-1,3-Dichloropropene	10.016	75	49589	22.910	ug/l #	84
55) 1,1,2-Trichloroethane	10.734	97	25914	24.363	ug/l	95
56) Ethyl methacrylate	10.598	69	27150	27.599	ug/l #	90
57) 1,3-Dichloropropane	10.881	76	43015	23.773	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.869	63	62385	107.659	ug/l	96
59) 2-Hexanone	10.922	43	66357	129.435	ug/l	93
60) Dibromochloromethane	11.075	129	31486	24.603	ug/l	97
61) 1,2-Dibromoethane	11.181	107	23598	23.631	ug/l	99
64) Tetrachloroethene	10.810	164	26946	22.797	ug/l	97
65) Chlorobenzene	11.604	112	88450	23.510	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.681	131	32908	23.802	ug/l	96
67) Ethyl Benzene	11.687	91	148451	22.022	ug/l	96
68) m/p-Xylenes	11.793	106	120400	45.790	ug/l	93
69) o-Xylene	12.122	106	55785	23.248	ug/l	94
70) Styrene	12.134	104	96831	24.726	ug/l	97
71) Bromoform	12.304	173	17709	24.335	ug/l #	100
73) Isopropylbenzene	12.422	105	145425	22.861	ug/l	95
74) N-amyl acetate	12.234	43	27534	22.880	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.675	83	29464	23.350	ug/l	94
76) 1,2,3-Trichloropropane	12.728	75	19214m	23.890	ug/l	
77) Bromobenzene	12.704	156	35418	23.691	ug/l	91
78) n-propylbenzene	12.763	91	181743	22.926	ug/l	96
79) 2-Chlorotoluene	12.851	91	96636	22.760	ug/l	96
80) 1,3,5-Trimethylbenzene	12.904	105	121863	23.071	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.469	75	9051	23.363	ug/l	96
82) 4-Chlorotoluene	12.945	91	105757	23.192	ug/l	96
83) tert-Butylbenzene	13.169	119	104106	23.370	ug/l	99
84) 1,2,4-Trimethylbenzene	13.210	105	122616	22.873	ug/l	95
85) sec-Butylbenzene	13.345	105	163091	23.607	ug/l	96
86) p-Isopropyltoluene	13.463	119	133350	22.662	ug/l	98
87) 1,3-Dichlorobenzene	13.457	146	73073	22.902	ug/l	98
88) 1,4-Dichlorobenzene	13.534	146	74529	23.772	ug/l	98
89) n-Butylbenzene	13.787	91	127142	22.417	ug/l	97
90) Hexachloroethane	14.051	117	28539	23.597	ug/l	88
91) 1,2-Dichlorobenzene	13.834	146	64051	23.905	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.451	75	3902	23.616	ug/l	98
93) 1,2,4-Trichlorobenzene	15.098	180	37448	23.781	ug/l	97
94) Hexachlorobutadiene	15.204	225	19880	24.187	ug/l	97
95) Naphthalene	15.328	128	67331	23.054	ug/l #	97
96) 1,2,3-Trichlorobenzene	15.522	180	31903	23.906	ug/l	97

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

