

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032024\
 Data File : VD078716.D
 Acq On : 20 Mar 2024 13:05
 Operator : RP/MD
 Sample : MDL04
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL04

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 03/21/2024
 Supervised By :Semsettin Yesilyurt 03/21/2024

Quant Time: Mar 21 11:50:18 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031424S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 15 05:38:03 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.881	168	99890	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	175417	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	163570	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	74056	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	51950	55.494	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 110.980%			
35) Dibromofluoromethane	7.805	113	59740	52.894	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.780%			
50) Toluene-d8	10.269	98	219809	52.919	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 105.840%			
62) 4-Bromofluorobenzene	12.575	95	57348	47.193	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 94.380%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	1964	2.113	ug/l	85
3) Chloromethane	2.146	50	2810	1.914	ug/l	93
4) Vinyl Chloride	2.287	62	4274	1.974	ug/l #	81
5) Bromomethane	2.699	94	4586	2.212	ug/l	90
6) Chloroethane	2.840	64	3183	1.885	ug/l #	87
7) Trichlorofluoromethane	3.175	101	3659	2.136	ug/l	96
8) Diethyl Ether	3.605	74	1164	2.327	ug/l	78
9) 1,1,2-Trichlorotrifluo...	3.964	101	1109	1.032	ug/l #	13
11) Tert butyl alcohol	5.058	59	238	5.681	ug/l #	75
12) 1,1-Dichloroethene	3.946	96	2558	2.503	ug/l #	69
13) Acrolein	3.811	56	645	9.828	ug/l #	15
14) Allyl chloride	4.564	41	2231	1.956	ug/l #	82
15) Acrylonitrile	5.258	53	2584	12.815	ug/l #	62
16) Acetone	4.034	43	2720	15.026	ug/l #	80
18) Methyl Acetate	4.564	43	1229	3.164	ug/l	89
19) Methyl tert-butyl Ether	5.316	73	4385	2.127	ug/l	98
20) Methylene Chloride	4.805	84	8981	2.665	ug/l	86
21) trans-1,2-Dichloroethene	5.316	96	2261	1.875	ug/l #	76
23) Vinyl Acetate	6.163	43	9033	5.956	ug/l #	91
24) 1,1-Dichloroethane	6.116	63	5160	2.654	ug/l #	80
25) 2-Butanone	7.081	43	3014	12.523	ug/l	99
26) 2,2-Dichloropropane	7.081	77	4043	2.458	ug/l #	75
27) cis-1,2-Dichloroethene	7.087	96	3195	2.323	ug/l	97
28) Bromochloromethane	7.428	49	1385	1.998	ug/l #	95
29) Tetrahydrofuran	7.452	42	1405	10.733	ug/l #	62
30) Chloroform	7.593	83	4876	2.250	ug/l	95
31) Cyclohexane	7.881	56	4460	2.835	ug/l #	78
32) 1,1,1-Trichloroethane	7.799	97	3767	2.048	ug/l #	49
36) 1,1-Dichloropropene	8.016	75	3010	1.837	ug/l	94
37) Ethyl Acetate	7.181	43	1246	2.327	ug/l #	63
38) Carbon Tetrachloride	7.993	117	3853	2.230	ug/l	88
39) Methylcyclohexane	9.275	83	3134	1.649	ug/l #	90
40) Benzene	8.257	78	10107	2.040	ug/l	94
41) Methacrylonitrile	7.399	41	346	1.233	ug/l #	33
42) 1,2-Dichloroethane	8.334	62	2748	2.275	ug/l	82
43) Isopropyl Acetate	8.375	43	2260	2.321	ug/l #	55

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Trichloroethene	9.034	130	2976	2.214	ug/l	93
45) 1,2-Dichloropropane	9.304	63	2468	2.100	ug/l	98
46) Dibromomethane	9.393	93	1720	2.442	ug/l	90
47) Bromodichloromethane	9.587	83	4151	2.475	ug/l	97
48) Methyl methacrylate	9.381	41	1252	2.639	ug/l #	79
51) 4-Methyl-2-Pentanone	10.163	43	4972	9.769	ug/l	99
52) Toluene	10.334	92	6826	2.140	ug/l	96
53) t-1,3-Dichloropropene	10.557	75	3278	2.138	ug/l #	72
54) cis-1,3-Dichloropropene	10.010	75	3849	2.088	ug/l #	79
55) 1,1,2-Trichloroethane	10.734	97	2467	2.615	ug/l #	71
56) Ethyl methacrylate	10.599	69	1275	1.348	ug/l #	78
57) 1,3-Dichloropropane	10.875	76	3149	2.069	ug/l	92
58) 2-Chloroethyl Vinyl ether	9.869	63	3764	9.027	ug/l	99
59) 2-Hexanone	10.916	43	3653	9.682	ug/l	98
60) Dibromochloromethane	11.075	129	2625	2.257	ug/l	94
61) 1,2-Dibromoethane	11.175	107	2074	2.272	ug/l	93
64) Tetrachloroethene	10.804	164	2112	1.951	ug/l #	79
65) Chlorobenzene	11.604	112	7425	2.172	ug/l	92
66) 1,1,1,2-Tetrachloroethane	11.681	131	3146	2.513	ug/l	88
67) Ethyl Benzene	11.681	91	11048	1.897	ug/l	97
68) m/p-Xylenes	11.793	106	8112	3.430	ug/l	97
69) o-Xylene	12.122	106	3494	1.597	ug/l	91
70) Styrene	12.140	104	5351	1.457	ug/l #	93
71) Bromoform	12.293	173	1608	2.377	ug/l #	89
73) Isopropylbenzene	12.422	105	10332	2.119	ug/l	99
74) N-amyl acetate	12.234	43	1585	2.002	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.681	83	2579	2.857	ug/l #	95
76) 1,2,3-Trichloropropane	12.728	75	2760	4.837	ug/l #	100
77) Bromobenzene	12.698	156	3041	2.515	ug/l	88
78) n-propylbenzene	12.769	91	12902	2.174	ug/l	90
79) 2-Chlorotoluene	12.851	91	7272	2.233	ug/l	93
80) 1,3,5-Trimethylbenzene	12.904	105	7404	1.836	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.575	75	30648	112.597	ug/l #	19
82) 4-Chlorotoluene	12.945	91	7089	2.058	ug/l	88
83) tert-Butylbenzene	13.169	119	6773	1.948	ug/l	96
84) 1,2,4-Trimethylbenzene	13.216	105	7402	1.822	ug/l	95
85) sec-Butylbenzene	13.345	105	10304	1.958	ug/l	97
86) p-Isopropyltoluene	13.457	119	8835	1.962	ug/l	99
87) 1,3-Dichlorobenzene	13.457	146	5144	2.016	ug/l	88
88) 1,4-Dichlorobenzene	13.540	146	6251	2.486	ug/l	89
89) n-Butylbenzene	13.792	91	9135	2.246	ug/l	92
90) Hexachloroethane	14.057	117	2691	2.887	ug/l	93
91) 1,2-Dichlorobenzene	13.834	146	5476	2.492	ug/l	96
93) 1,2,4-Trichlorobenzene	15.098	180	3055	2.382	ug/l	88
94) Hexachlorobutadiene	15.210	225	1718	2.474	ug/l	97
95) Naphthalene	15.334	128	5089	2.282	ug/l #	88
96) 1,2,3-Trichlorobenzene	15.522	180	2406	2.168	ug/l	92

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

