

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022124\
 Data File : VD078507.D
 Acq On : 21 Feb 2024 18:59
 Operator : RP/MD
 Sample : P1538-08MSD
 Misc : 5.07G/5ml/MSVOA_D/SOIL/A
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 20241101-COMPOSITE-35N-N-4-06M

Quant Time: Feb 22 00:08:06 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

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 02/22/2024
 Supervised By :Semsettin Yesilyurt 02/22/2024

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

Internal Standards						
1) Pentafluorobenzene	7.881	168	57686	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	102973	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	78772	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	22580	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	41957	67.268	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 134.540%			
35) Dibromofluoromethane	7.810	113	41894	64.048	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 128.100%			
50) Toluene-d8	10.269	98	135680	51.854	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 103.700%			
62) 4-Bromofluorobenzene	12.575	95	27972	36.736	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 73.480%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.934	85	41479	72.978	ug/l	97
3) Chloromethane	2.152	50	80757	77.314	ug/l	96
4) Vinyl Chloride	2.281	62	115057	72.187	ug/l	99
5) Bromomethane	2.687	94	60114	54.640	ug/l	100
6) Chloroethane	2.828	64	86980	74.837	ug/l	96
7) Trichlorofluoromethane	3.169	101	68962	64.139	ug/l	96
8) Diethyl Ether	3.593	74	24198	78.136	ug/l	91
9) 1,1,2-Trichlorotrifluo...	3.964	101	35586	52.464	ug/l	97
10) Methyl Iodide	4.164	142	23240	38.254	ug/l	91
11) Tert butyl alcohol	5.064	59	14381	429.462	ug/l #	89
12) 1,1-Dichloroethene	3.940	96	39114	62.199	ug/l	85
13) Acrolein	3.793	56	361	6.265	ug/l #	60
14) Allyl chloride	4.564	41	46749	60.176	ug/l	94
15) Acrylonitrile	5.258	53	55581	419.245	ug/l	99
16) Acetone	4.022	43	58288	534.261	ug/l	87
17) Carbon Disulfide	4.275	76	85629	40.467	ug/l #	95
18) Methyl Acetate	4.569	43	68787	138.382	ug/l	94
19) Methyl tert-butyl Ether	5.322	73	112188	83.968	ug/l	97
20) Methylene Chloride	4.805	84	60658	88.211	ug/l	93
21) trans-1,2-Dichloroethene	5.305	96	43578	58.906	ug/l	91
22) Diisopropyl ether	6.222	45	125165	73.099	ug/l	93
23) Vinyl Acetate	6.163	43	70864	92.127	ug/l #	89
24) 1,1-Dichloroethane	6.111	63	86841	71.593	ug/l	96
25) 2-Butanone	7.087	43	68788	447.703	ug/l	94
26) 2,2-Dichloropropane	7.081	77	63413	62.362	ug/l	98
27) cis-1,2-Dichloroethene	7.081	96	53967	66.490	ug/l	95
28) Bromochloromethane	7.428	49	34891	72.624	ug/l	85
29) Tetrahydrofuran	7.452	42	40629	438.010	ug/l	93
30) Chloroform	7.599	83	93876	73.148	ug/l	90
31) Cyclohexane	7.881	56	33860	32.092	ug/l	96
32) 1,1,1-Trichloroethane	7.793	97	71672	65.502	ug/l	98
36) 1,1-Dichloropropene	8.010	75	52991	52.149	ug/l	98
37) Ethyl Acetate	7.175	43	25612	71.903	ug/l #	92
38) Carbon Tetrachloride	7.993	117	31418	31.221	ug/l	92
39) Methylcyclohexane	9.269	83	25544	21.175	ug/l	94
40) Benzene	8.252	78	192395	65.505	ug/l	98

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41) Methacrylonitrile	7.405	41	14259	76.918	ug/l #	86
42) 1,2-Dichloroethane	8.328	62	57301	75.399	ug/l	95
43) Isopropyl Acetate	8.363	43	50422	76.444	ug/l	92
44) Trichloroethene	9.028	130	45836	61.172	ug/l	98
45) 1,2-Dichloropropane	9.304	63	50296	69.795	ug/l	98
46) Dibromomethane	9.393	93	31873	78.635	ug/l	87
47) Bromodichloromethane	9.581	83	67549	67.284	ug/l	97
48) Methyl methacrylate	9.381	41	30565	87.344	ug/l	83
49) 1,4-Dioxane	9.381	88	7843	1786.738	ug/l #	85
51) 4-Methyl-2-Pentanone	10.157	43	147147	420.324	ug/l	95
52) Toluene	10.334	92	108119	58.211	ug/l	97
53) t-1,3-Dichloropropene	10.551	75	45461	49.627	ug/l	100
54) cis-1,3-Dichloropropene	10.016	75	50156	45.153	ug/l #	90
55) 1,1,2-Trichloroethane	10.734	97	44196	80.967	ug/l	96
56) Ethyl methacrylate	10.599	69	30899	61.206	ug/l	92
57) 1,3-Dichloropropane	10.881	76	68826	74.123	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	122080	410.532	ug/l	96
59) 2-Hexanone	10.922	43	103248	392.444	ug/l	94
60) Dibromochloromethane	11.075	129	45191	68.809	ug/l	96
61) 1,2-Dibromoethane	11.181	107	37824	73.810	ug/l	98
64) Tetrachloroethene	10.810	164	38907	78.198	ug/l	93
65) Chlorobenzene	11.610	112	98341	62.099	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.681	131	42482	72.996	ug/l	95
67) Ethyl Benzene	11.681	91	152890	53.883	ug/l	97
68) m/p-Xylenes	11.793	106	119364	107.847	ug/l	93
69) o-Xylene	12.122	106	56139	55.582	ug/l	91
70) Styrene	12.134	104	81121	49.212	ug/l	95
71) Bromoform	12.298	173	23265	75.950	ug/l #	99
73) Isopropylbenzene	12.422	105	106180	70.029	ug/l	96
74) N-amyl acetate	12.234	43	20412	71.161	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.669	83	43715	145.345	ug/l	100
76) 1,2,3-Trichloropropane	12.728	75	29416m	153.450	ug/l	
77) Bromobenzene	12.698	156	33693	94.554	ug/l	83
78) n-propylbenzene	12.763	91	111054	58.774	ug/l	96
79) 2-Chlorotoluene	12.851	91	71455	70.606	ug/l	97
80) 1,3,5-Trimethylbenzene	12.904	105	75448	59.926	ug/l	94
81) trans-1,4-Dichloro-2-b...	12.469	75	5257	56.932	ug/l	93
82) 4-Chlorotoluene	12.945	91	74641	68.672	ug/l	98
83) tert-Butylbenzene	13.163	119	53545	50.428	ug/l	96
84) 1,2,4-Trimethylbenzene	13.210	105	75777	59.304	ug/l	97
85) sec-Butylbenzene	13.345	105	65314	39.664	ug/l	95
86) p-Isopropyltoluene	13.457	119	55722	39.729	ug/l	97
87) 1,3-Dichlorobenzene	13.457	146	43046	56.600	ug/l	97
88) 1,4-Dichlorobenzene	13.540	146	43215	57.831	ug/l	97
89) n-Butylbenzene	13.787	91	41789	30.912	ug/l	95
90) Hexachloroethane	14.057	117	5761	19.985	ug/l	91
91) 1,2-Dichlorobenzene	13.834	146	40519	63.446	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.445	75	5304	134.680	ug/l	96
93) 1,2,4-Trichlorobenzene	15.098	180	9796	26.100	ug/l	98
94) Hexachlorobutadiene	15.210	225	3322	16.957	ug/l	95
95) Naphthalene	15.328	128	35323	50.741	ug/l	97
96) 1,2,3-Trichlorobenzene	15.522	180	8621	27.102	ug/l	99

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

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