

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022224\
 Data File : VD078524.D
 Acq On : 22 Feb 2024 18:22
 Operator : RP/MD
 Sample : P1538-08MSD
 Misc : 5.09G/5ml/MSVOA_D/SOIL/B
 ALS Vial : 18 Sample Multiplier: 1

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

Quant Time: Feb 23 01:07:32 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

Manual Integrations
 APPROVED

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

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	54377	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.781	114	98931	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	76173	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	22820	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	42749	72.709	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 145.420%			
35) Dibromofluoromethane	7.804	113	42023	66.870	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 133.740%			
50) Toluene-d8	10.269	98	134581	53.535	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 107.080%			
62) 4-Bromofluorobenzene	12.575	95	27925	38.172	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 76.340%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.934	85	36392	67.925	ug/l	99
3) Chloromethane	2.146	50	70741	71.846	ug/l	99
4) Vinyl Chloride	2.275	62	104440	69.513	ug/l	99
5) Bromomethane	2.687	94	47826	46.116	ug/l	100
6) Chloroethane	2.828	64	78688	71.823	ug/l	100
7) Trichlorofluoromethane	3.163	101	60667	59.858	ug/l	99
8) Diethyl Ether	3.593	74	22466	76.958	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.963	101	31309	48.967	ug/l	99
10) Methyl Iodide	4.163	142	14929	26.069	ug/l	92
11) Tert butyl alcohol	5.063	59	13757	435.913	ug/l #	85
12) 1,1-Dichloroethene	3.934	96	33513	56.535	ug/l	96
13) Acrolein	3.787	56	633m	11.654	ug/l	
14) Allyl chloride	4.557	41	40020	54.649	ug/l	94
15) Acrylonitrile	5.252	53	52421	419.471	ug/l	98
16) Acetone	4.022	43	61974	614.351	ug/l	92
17) Carbon Disulfide	4.263	76	72212	36.203	ug/l	99
18) Methyl Acetate	4.557	43	69198	146.836	ug/l	95
19) Methyl tert-butyl Ether	5.316	73	99671	79.140	ug/l	98
20) Methylene Chloride	4.799	84	63485	98.303	ug/l	93
21) trans-1,2-Dichloroethene	5.310	96	35744	51.257	ug/l	92
22) Diisopropyl ether	6.216	45	109333	67.738	ug/l	95
23) Vinyl Acetate	6.157	43	53064	70.131	ug/l	97
24) 1,1-Dichloroethane	6.104	63	74237	64.927	ug/l	99
25) 2-Butanone	7.087	43	68422	473.345	ug/l #	85
26) 2,2-Dichloropropane	7.081	77	59293	61.859	ug/l	95
27) cis-1,2-Dichloroethene	7.081	96	46860	61.247	ug/l	96
28) Bromochloromethane	7.422	49	29032	64.106	ug/l	89
29) Tetrahydrofuran	7.451	42	38745	443.117	ug/l	92
30) Chloroform	7.593	83	81498	67.367	ug/l	97
31) Cyclohexane	7.875	56	27910	28.062	ug/l	97
32) 1,1,1-Trichloroethane	7.793	97	62090	60.198	ug/l	97
36) 1,1-Dichloropropene	8.004	75	44897	45.989	ug/l	97
37) Ethyl Acetate	7.169	43	24046	70.265	ug/l #	72
38) Carbon Tetrachloride	7.987	117	19431	20.098	ug/l	94
39) Methylcyclohexane	9.275	83	18723	16.155	ug/l	95
40) Benzene	8.251	78	172226	61.034	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.393	41	14234	79.920	ug/l #	95
42) 1,2-Dichloroethane	8.328	62	50386	69.009	ug/l	95
43) Isopropyl Acetate	8.363	43	47905	75.595	ug/l	92
44) Trichloroethene	9.028	130	38477	53.449	ug/l	93
45) 1,2-Dichloropropane	9.304	63	43189	62.381	ug/l	99
46) Dibromomethane	9.392	93	27359	70.256	ug/l	92
47) Bromodichloromethane	9.587	83	58723	60.882	ug/l	97
48) Methyl methacrylate	9.381	41	27976	83.211	ug/l	83
49) 1,4-Dioxane	9.387	88	7431	1762.044	ug/l	91
51) 4-Methyl-2-Pentanone	10.157	43	142939	424.985	ug/l	90
52) Toluene	10.334	92	92808	52.009	ug/l	95
53) t-1,3-Dichloropropene	10.551	75	37935	43.103	ug/l	93
54) cis-1,3-Dichloropropene	10.016	75	39574	37.082	ug/l #	85
55) 1,1,2-Trichloroethane	10.734	97	39457	75.238	ug/l	95
56) Ethyl methacrylate	10.598	69	27890	57.503	ug/l #	86
57) 1,3-Dichloropropane	10.875	76	61484	68.921	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	121459	425.131	ug/l	98
59) 2-Hexanone	10.922	43	99243	392.633	ug/l	93
60) Dibromochloromethane	11.075	129	39913	63.256	ug/l	99
61) 1,2-Dibromoethane	11.175	107	33627	68.301	ug/l	97
64) Tetrachloroethene	10.804	164	29503	61.320	ug/l	96
65) Chlorobenzene	11.604	112	85700	55.963	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.681	131	36583	65.005	ug/l	96
67) Ethyl Benzene	11.681	91	131871	48.061	ug/l	95
68) m/p-Xylenes	11.792	106	98884	92.391	ug/l	94
69) o-Xylene	12.116	106	47418	48.549	ug/l	90
70) Styrene	12.134	104	71168	44.647	ug/l	97
71) Bromoform	12.298	173	21666	73.144	ug/l #	99
73) Isopropylbenzene	12.422	105	89021	58.095	ug/l	95
74) N-amyl acetate	12.233	43	15819	54.569	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.669	83	41151	135.381	ug/l	99
76) 1,2,3-Trichloropropane	12.722	75	28517m	147.196	ug/l	
77) Bromobenzene	12.704	156	28766	79.879	ug/l	82
78) n-propylbenzene	12.763	91	93091	48.749	ug/l	95
79) 2-Chlorotoluene	12.851	91	61788	60.412	ug/l	96
80) 1,3,5-Trimethylbenzene	12.904	105	62329	48.986	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.469	75	4053	43.431	ug/l #	93
82) 4-Chlorotoluene	12.945	91	64079	58.335	ug/l	96
83) tert-Butylbenzene	13.163	119	42656	39.751	ug/l	94
84) 1,2,4-Trimethylbenzene	13.210	105	65188	50.480	ug/l	96
85) sec-Butylbenzene	13.345	105	53210	31.973	ug/l	95
86) p-Isopropyltoluene	13.463	119	46864	33.062	ug/l	97
87) 1,3-Dichlorobenzene	13.457	146	38405	49.967	ug/l	98
88) 1,4-Dichlorobenzene	13.533	146	38121	50.477	ug/l	97
89) n-Butylbenzene	13.786	91	36186	26.486	ug/l	94
90) Hexachloroethane	14.051	117	2246	7.709	ug/l	94
91) 1,2-Dichlorobenzene	13.833	146	37191	57.622	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.451	75	5636	141.605	ug/l	90
93) 1,2,4-Trichlorobenzene	15.104	180	9979	26.308	ug/l	94
94) Hexachlorobutadiene	15.198	225	2952	14.910	ug/l	93
95) Naphthalene	15.333	128	35820	50.914	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.522	180	8249	25.660	ug/l	97

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

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