

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022024\
 Data File : VD078487.D
 Acq On : 20 Feb 2024 16:59
 Operator : RP/MD
 Sample : P1523-05MSD
 Misc : 5.08G/5ml/MSVOA_D/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 20240765-COMPOSITE-39N-N-3-03M

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 02/21/2024
 Supervised By :Semsettin Yesilyurt 02/21/2024

Quant Time: Feb 21 05:26:04 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	80839	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	137678	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.580	117	120290	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	43579	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	52684	60.274	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 120.540%			
35) Dibromofluoromethane	7.810	113	56006	64.039	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 128.080%			
50) Toluene-d8	10.269	98	200785	57.393	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 114.780%			
62) 4-Bromofluorobenzene	12.569	95	49906	49.020	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 98.040%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.934	85	52432	65.828	ug/l	96
3) Chloromethane	2.152	50	98814	67.507	ug/l	100
4) Vinyl Chloride	2.281	62	142066	63.604	ug/l	98
5) Bromomethane	2.693	94	97813	63.442	ug/l	100
6) Chloroethane	2.834	64	103102	63.302	ug/l	96
7) Trichlorofluoromethane	3.169	101	90625	60.146	ug/l	95
8) Diethyl Ether	3.593	74	28052	64.637	ug/l	87
9) 1,1,2-Trichlorotrifluo...	3.963	101	53102	55.865	ug/l	97
10) Methyl Iodide	4.157	142	55216	64.857	ug/l	94
11) Tert butyl alcohol	5.057	59	15047	319.188	ug/l	# 93
12) 1,1-Dichloroethene	3.940	96	52596	59.683	ug/l	96
13) Acrolein	3.804	56	3850	47.679	ug/l	# 82
14) Allyl chloride	4.563	41	65089	59.787	ug/l	93
15) Acrylonitrile	5.251	53	66472	357.791	ug/l	99
16) Acetone	4.028	43	73651	474.287	ug/l	92
17) Carbon Disulfide	4.269	76	179752	60.618	ug/l	99
18) Methyl Acetate	4.563	43	61483	91.654	ug/l	93
19) Methyl tert-butyl Ether	5.322	73	128315	68.533	ug/l	99
20) Methylene Chloride	4.804	84	70973	73.107	ug/l	91
21) trans-1,2-Dichloroethene	5.310	96	62145	59.944	ug/l	97
22) Diisopropyl ether	6.222	45	157880	65.797	ug/l	97
23) Vinyl Acetate	6.157	43	270404	276.440	ug/l	94
24) 1,1-Dichloroethane	6.110	63	107656	63.334	ug/l	97
25) 2-Butanone	7.081	43	83966	387.809	ug/l	88
26) 2,2-Dichloropropane	7.081	77	85425	59.949	ug/l	98
27) cis-1,2-Dichloroethene	7.081	96	69606	61.196	ug/l	94
28) Bromochloromethane	7.434	49	42335	62.881	ug/l	86
29) Tetrahydrofuran	7.445	42	46411	357.041	ug/l	94
30) Chloroform	7.598	83	116967	65.037	ug/l	97
31) Cyclohexane	7.875	56	64851	43.860	ug/l	98
32) 1,1,1-Trichloroethane	7.786	97	95105	62.023	ug/l	98
36) 1,1-Dichloropropene	8.010	75	79005	58.151	ug/l	97
37) Ethyl Acetate	7.175	43	33897	71.174	ug/l	95
38) Carbon Tetrachloride	7.992	117	77442	57.558	ug/l	93
39) Methylcyclohexane	9.275	83	60386	37.440	ug/l	98
40) Benzene	8.251	78	254678	64.854	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.404	41	17047	68.777	ug/l #	87
42) 1,2-Dichloroethane	8.322	62	70104	68.993	ug/l	96
43) Isopropyl Acetate	8.363	43	60922	69.080	ug/l	94
44) Trichloroethene	9.028	130	62877	62.762	ug/l	88
45) 1,2-Dichloropropane	9.304	63	63999	66.424	ug/l	97
46) Dibromomethane	9.392	93	37187	68.618	ug/l	91
47) Bromodichloromethane	9.586	83	91978	68.523	ug/l	99
48) Methyl methacrylate	9.381	41	35993	76.928	ug/l	83
49) 1,4-Dioxane	9.381	88	8147	1388.146	ug/l #	86
51) 4-Methyl-2-Pentanone	10.157	43	170658	364.601	ug/l	94
52) Toluene	10.333	92	153508	61.815	ug/l	96
53) t-1,3-Dichloropropene	10.551	75	78312	63.938	ug/l	97
54) cis-1,3-Dichloropropene	10.016	75	94982	63.953	ug/l #	92
55) 1,1,2-Trichloroethane	10.733	97	54373	74.502	ug/l	96
56) Ethyl methacrylate	10.598	69	41970	62.179	ug/l	92
57) 1,3-Dichloropropane	10.880	76	86616	69.768	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	162251	408.083	ug/l	97
59) 2-Hexanone	10.922	43	122792	349.080	ug/l	93
60) Dibromochloromethane	11.075	129	59630	67.908	ug/l	92
61) 1,2-Dibromoethane	11.175	107	49363	72.045	ug/l	98
64) Tetrachloroethene	10.810	164	43825	57.681	ug/l	94
65) Chlorobenzene	11.604	112	150109	62.072	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.680	131	58754	66.111	ug/l	99
67) Ethyl Benzene	11.680	91	248154	57.271	ug/l	98
68) m/p-Xylenes	11.792	106	199200	117.860	ug/l	97
69) o-Xylene	12.122	106	90130	58.436	ug/l	94
70) Styrene	12.133	104	132420	52.606	ug/l	96
71) Bromoform	12.298	173	34580	73.926	ug/l #	93
73) Isopropylbenzene	12.422	105	200399	68.482	ug/l	95
74) N-amyl acetate	12.233	43	48684	87.940	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.669	83	55258	95.194	ug/l	98
76) 1,2,3-Trichloropropane	12.722	75	35952m	97.175	ug/l	
77) Bromobenzene	12.698	156	56370	81.967	ug/l	90
78) n-propylbenzene	12.763	91	217247	59.574	ug/l	96
79) 2-Chlorotoluene	12.845	91	126962	65.003	ug/l	96
80) 1,3,5-Trimethylbenzene	12.904	105	145632	59.934	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.463	75	15431	86.588	ug/l	95
82) 4-Chlorotoluene	12.945	91	133075	63.437	ug/l	96
83) tert-Butylbenzene	13.163	119	107368	52.394	ug/l	97
84) 1,2,4-Trimethylbenzene	13.210	105	146249	59.304	ug/l	99
85) sec-Butylbenzene	13.345	105	141654	44.572	ug/l	95
86) p-Isopropyltoluene	13.463	119	121477	44.876	ug/l	97
87) 1,3-Dichlorobenzene	13.457	146	81872	55.779	ug/l	100
88) 1,4-Dichlorobenzene	13.533	146	82152	56.962	ug/l	98
89) n-Butylbenzene	13.786	91	94073	36.056	ug/l	96
90) Hexachloroethane	14.051	117	21534	38.705	ug/l	90
91) 1,2-Dichlorobenzene	13.827	146	73811	59.884	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.445	75	6877	90.479	ug/l	98
93) 1,2,4-Trichlorobenzene	15.098	180	21579	29.790	ug/l	97
94) Hexachlorobutadiene	15.198	225	7958	21.047	ug/l	98
95) Naphthalene	15.327	128	63280	47.099	ug/l	98
96) 1,2,3-Trichlorobenzene	15.521	180	17199	28.015	ug/l	91

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

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