

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022024\
 Data File : VD078486.D
 Acq On : 20 Feb 2024 16:32
 Operator : RP/MD
 Sample : P1523-04MS
 Misc : 4.99G/5ml/MSVOA_D/SOIL/A
 ALS Vial : 7 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 05:25:15 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	92854	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	156948	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	143656	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	59665	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	52746	52.537	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.080%			
35) Dibromofluoromethane	7.810	113	56503	56.675	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 113.360%			
50) Toluene-d8	10.269	98	207879	52.125	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 104.240%			
62) 4-Bromofluorobenzene	12.575	95	54232	46.729	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 93.460%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.934	85	54532	59.606	ug/l	93
3) Chloromethane	2.152	50	99101	58.942	ug/l	99
4) Vinyl Chloride	2.281	62	147451	57.473	ug/l	99
5) Bromomethane	2.693	94	96318	54.389	ug/l	97
6) Chloroethane	2.834	64	108232	57.853	ug/l	98
7) Trichlorofluoromethane	3.175	101	96860	55.966	ug/l	96
8) Diethyl Ether	3.593	74	29326	58.829	ug/l	87
9) 1,1,2-Trichlorotrifluo...	3.969	101	56532	51.778	ug/l	97
10) Methyl Iodide	4.169	142	62023	63.425	ug/l	91
11) Tert butyl alcohol	5.069	59	11949	218.889	ug/l #	93
12) 1,1-Dichloroethene	3.946	96	56931	56.243	ug/l	95
13) Acrolein	3.804	56	4877	52.582	ug/l	89
14) Allyl chloride	4.563	41	68981	55.164	ug/l	92
15) Acrylonitrile	5.251	53	62962	295.046	ug/l	100
16) Acetone	4.022	43	79705	443.003	ug/l	91
17) Carbon Disulfide	4.275	76	197868	58.093	ug/l	99
18) Methyl Acetate	4.569	43	58061	76.590	ug/l	95
19) Methyl tert-butyl Ether	5.322	73	132843	61.770	ug/l	93
20) Methylene Chloride	4.804	84	73400	65.496	ug/l	89
21) trans-1,2-Dichloroethene	5.310	96	66483	55.831	ug/l	91
22) Diisopropyl ether	6.210	45	170670	61.923	ug/l	96
23) Vinyl Acetate	6.157	43	280750	248.451	ug/l #	91
24) 1,1-Dichloroethane	6.110	63	116226	59.528	ug/l	100
25) 2-Butanone	7.081	43	83009	331.446	ug/l #	82
26) 2,2-Dichloropropane	7.075	77	93276	56.988	ug/l	98
27) cis-1,2-Dichloroethene	7.081	96	76252	58.364	ug/l	94
28) Bromochloromethane	7.428	49	34797	44.997	ug/l	88
29) Tetrahydrofuran	7.445	42	43650	292.349	ug/l	92
30) Chloroform	7.592	83	127095	61.524	ug/l	94
31) Cyclohexane	7.881	56	76258	44.902	ug/l	91
32) 1,1,1-Trichloroethane	7.792	97	102392	58.135	ug/l	100
36) 1,1-Dichloropropene	8.010	75	87376	56.417	ug/l	97
37) Ethyl Acetate	7.175	43	31824	58.617	ug/l #	92
38) Carbon Tetrachloride	7.992	117	87429	57.002	ug/l	97
39) Methylcyclohexane	9.275	83	67334	36.622	ug/l	97
40) Benzene	8.251	78	278243	62.155	ug/l	98

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41) Methacrylonitrile	7.410	41	17276	61.143	ug/l	95
42) 1,2-Dichloroethane	8.328	62	72056	62.208	ug/l	97
43) Isopropyl Acetate	8.357	43	60064	59.745	ug/l	97
44) Trichloroethene	9.028	130	67392	59.009	ug/l	94
45) 1,2-Dichloropropane	9.304	63	69477	63.256	ug/l	99
46) Dibromomethane	9.392	93	39536	63.996	ug/l	91
47) Bromodichloromethane	9.581	83	99263	64.870	ug/l	99
48) Methyl methacrylate	9.381	41	36294	68.047	ug/l	85
49) 1,4-Dioxane	9.387	88	5394	806.227	ug/l #	72
51) 4-Methyl-2-Pentanone	10.157	43	168769	316.295	ug/l	91
52) Toluene	10.334	92	174625	61.685	ug/l	95
53) t-1,3-Dichloropropene	10.551	75	85408	61.170	ug/l	95
54) cis-1,3-Dichloropropene	10.016	75	104561	61.759	ug/l #	88
55) 1,1,2-Trichloroethane	10.728	97	56321	67.696	ug/l	97
56) Ethyl methacrylate	10.598	69	44028	57.220	ug/l #	91
57) 1,3-Dichloropropane	10.875	76	91825	64.883	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	156975	346.338	ug/l	95
59) 2-Hexanone	10.922	43	119528	298.081	ug/l	92
60) Dibromochloromethane	11.075	129	65424	65.358	ug/l	97
61) 1,2-Dibromoethane	11.175	107	50816	65.060	ug/l	98
64) Tetrachloroethene	10.810	164	50401	55.546	ug/l	91
65) Chlorobenzene	11.604	112	173890	60.210	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.681	131	67511	63.609	ug/l	98
67) Ethyl Benzene	11.686	91	299154	57.811	ug/l	96
68) m/p-Xylenes	11.792	106	232122	115.000	ug/l	91
69) o-Xylene	12.122	106	108415	58.858	ug/l	94
70) Styrene	12.133	104	162529	54.065	ug/l	97
71) Bromoform	12.298	173	34337	61.466	ug/l #	99
73) Isopropylbenzene	12.422	105	251773	62.842	ug/l	95
74) N-amyl acetate	12.233	43	51579	68.051	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.669	83	58651	73.799	ug/l	99
76) 1,2,3-Trichloropropane	12.722	75	37117m	73.276	ug/l	
77) Bromobenzene	12.698	156	64805	68.826	ug/l	90
78) n-propylbenzene	12.763	91	280711	56.223	ug/l	96
79) 2-Chlorotoluene	12.851	91	159663	59.706	ug/l	97
80) 1,3,5-Trimethylbenzene	12.904	105	189659	57.010	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.463	75	17095	70.063	ug/l	93
82) 4-Chlorotoluene	12.945	91	176118	61.321	ug/l	96
83) tert-Butylbenzene	13.163	119	145259	51.773	ug/l	98
84) 1,2,4-Trimethylbenzene	13.210	105	194073	57.480	ug/l	97
85) sec-Butylbenzene	13.345	105	192411	44.220	ug/l	95
86) p-Isopropyltoluene	13.457	119	168640	45.503	ug/l	98
87) 1,3-Dichlorobenzene	13.457	146	109736	54.606	ug/l	98
88) 1,4-Dichlorobenzene	13.533	146	113338	57.399	ug/l	100
89) n-Butylbenzene	13.786	91	126268	35.348	ug/l	98
90) Hexachloroethane	14.051	117	30264	39.731	ug/l	94
91) 1,2-Dichlorobenzene	13.833	146	97708	57.900	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.451	75	6942	66.710	ug/l	97
93) 1,2,4-Trichlorobenzene	15.098	180	34449	34.735	ug/l	96
94) Hexachlorobutadiene	15.204	225	9635	18.612	ug/l	98
95) Naphthalene	15.327	128	81489	44.300	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.521	180	27167	32.322	ug/l	99

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

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