

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022224\
 Data File : VD078525.D
 Acq On : 22 Feb 2024 18:49
 Operator : RP/MD
 Sample : P1538-15MS
 Misc : 5.04G/5ml/MSVOA_D/SOIL/A
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 20241107-AMENDED-COMPOSITE-35N-N-4-06MS

Quant Time: Feb 23 01:08:20 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	93051	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	157926	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	145864	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	61959	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	54603	54.271	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.540%			
35) Dibromofluoromethane	7.810	113	319	0.318	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 0.640%#			
50) Toluene-d8	10.269	98	201460	50.202	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.400%			
62) 4-Bromofluorobenzene	12.575	95	54978	47.079	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 94.160%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	47670	51.995	ug/l	96
3) Chloromethane	2.152	50	93855	55.704	ug/l	100
4) Vinyl Chloride	2.275	62	136620	53.138	ug/l	96
5) Bromomethane	2.681	94	78674	44.332	ug/l	99
6) Chloroethane	2.828	64	101463	54.120	ug/l	100
7) Trichlorofluoromethane	3.164	101	83065	47.894	ug/l	98
8) Diethyl Ether	3.593	74	27044	54.137	ug/l	91
9) 1,1,2-Trichlorotrifluo...	3.958	101	49612	45.344	ug/l	96
10) Methyl Iodide	4.158	142	36997	37.753	ug/l	92
11) Tert butyl alcohol	5.058	59	16706	307.666	ug/l #	91
12) 1,1-Dichloroethene	3.934	96	66470	65.528	ug/l	94
13) Acrolein	3.787	56	1075	11.566	ug/l #	83
14) Allyl chloride	4.558	41	48162	38.433	ug/l	93
15) Acrylonitrile	5.258	53	59620	278.794	ug/l	98
16) Acetone	4.022	43	72722	397.987	ug/l	87
17) Carbon Disulfide	4.263	76	208218	61.002	ug/l	99
18) Methyl Acetate	4.599	43	300	4.328	ug/l #	42
19) Methyl tert-butyl Ether	5.316	73	122054	56.633	ug/l	97
20) Methylene Chloride	4.799	84	84375	75.614	ug/l	94
21) trans-1,2-Dichloroethene	5.310	96	58526	49.044	ug/l	95
22) Diisopropyl ether	6.222	45	132328	47.910	ug/l	99
23) Vinyl Acetate	6.216	43	74069	54.469	ug/l #	63
24) 1,1-Dichloroethane	6.110	63	97962	50.067	ug/l	97
25) 2-Butanone	7.081	43	79724	316.958	ug/l	88
26) 2,2-Dichloropropane	7.081	77	77249	47.096	ug/l	98
27) cis-1,2-Dichloroethene	7.081	96	68012	51.947	ug/l	98
28) Bromochloromethane	7.428	49	43187	55.728	ug/l	87
29) Tetrahydrofuran	7.446	42	45198	302.076	ug/l	92
30) Chloroform	7.593	83	106991	51.682	ug/l	96
31) Cyclohexane	7.875	56	57834	33.981	ug/l	88
32) 1,1,1-Trichloroethane	7.793	97	86541	49.031	ug/l	98
36) 1,1-Dichloropropene	8.004	75	73150	46.939	ug/l	97
37) Ethyl Acetate	7.081	43	79724	145.936	ug/l #	1
38) Carbon Tetrachloride	7.993	117	67838	43.955	ug/l	98
39) Methylcyclohexane	9.275	83	45927	24.824	ug/l	99
40) Benzene	8.251	78	233189	51.768	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	14012	49.284	ug/l #	76
42) 1,2-Dichloroethane	8.328	62	63655	54.614	ug/l	95
43) Isopropyl Acetate	8.357	43	1088	1.076	ug/l #	43
44) Trichloroethene	9.028	130	111466	96.997	ug/l	88
45) 1,2-Dichloropropane	9.304	63	58547	52.974	ug/l	99
46) Dibromomethane	9.398	93	34630	55.707	ug/l	91
47) Bromodichloromethane	9.587	83	71886	46.688	ug/l	99
48) Methyl methacrylate	9.304	41	43141	80.383	ug/l #	11
49) 1,4-Dioxane	9.387	88	8183	1215.517	ug/l #	84
51) 4-Methyl-2-Pentanone	10.157	43	163768	305.022	ug/l	93
52) Toluene	10.334	92	143161	50.257	ug/l	98
53) t-1,3-Dichloropropene	10.557	75	67810	48.266	ug/l	94
54) cis-1,3-Dichloropropene	10.016	75	74101	43.497	ug/l #	87
55) 1,1,2-Trichloroethane	10.734	97	31925	38.135	ug/l	95
57) 1,3-Dichloropropane	10.875	76	81059	56.921	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.869	63	160481	351.881	ug/l	96
59) 2-Hexanone	10.922	43	119800	296.909	ug/l	93
60) Dibromochloromethane	11.075	129	52903	52.522	ug/l	95
61) 1,2-Dibromoethane	11.181	107	45709	58.159	ug/l	99
64) Tetrachloroethene	10.810	164	75179	81.599	ug/l	93
65) Chlorobenzene	11.604	112	146666	50.015	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.681	131	54985	51.023	ug/l	98
67) Ethyl Benzene	11.681	91	243274	46.301	ug/l	99
68) m/p-Xylenes	11.792	106	192267	93.813	ug/l	93
69) o-Xylene	12.122	106	89017	47.595	ug/l	92
70) Styrene	12.134	104	139469	45.692	ug/l	94
71) Bromoform	12.298	173	31546	55.615	ug/l #	100
73) Isopropylbenzene	12.422	105	197571	47.487	ug/l	96
76) 1,2,3-Trichloropropane	12.722	75	34337m	65.278	ug/l	
77) Bromobenzene	12.698	156	56677	57.965	ug/l	88
78) n-propylbenzene	12.763	91	223513	43.110	ug/l	96
79) 2-Chlorotoluene	12.851	91	135588	48.826	ug/l	96
80) 1,3,5-Trimethylbenzene	12.904	105	153765	44.509	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.469	75	10290	40.612	ug/l	100
82) 4-Chlorotoluene	12.945	91	147198	49.354	ug/l	96
83) tert-Butylbenzene	13.169	119	114083	39.156	ug/l	96
84) 1,2,4-Trimethylbenzene	13.210	105	161100	45.948	ug/l	97
85) sec-Butylbenzene	13.345	105	143291	31.712	ug/l	95
86) p-Isopropyltoluene	13.457	119	131985	34.294	ug/l	97
87) 1,3-Dichlorobenzene	13.457	146	96781	46.376	ug/l	99
88) 1,4-Dichlorobenzene	13.539	146	100596	49.059	ug/l	99
89) n-Butylbenzene	13.786	91	94606	25.504	ug/l	97
90) Hexachloroethane	14.051	117	25524	32.268	ug/l	92
91) 1,2-Dichlorobenzene	13.828	146	87606	49.992	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.451	75	5168	47.824	ug/l	95
93) 1,2,4-Trichlorobenzene	15.098	180	32606	31.659	ug/l	94
94) Hexachlorobutadiene	15.204	225	5875	10.929	ug/l	99
95) Naphthalene	15.328	128	99675	52.180	ug/l	100
96) 1,2,3-Trichlorobenzene	15.522	180	27650	31.678	ug/l	97

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

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