

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022224\
 Data File : VD078523.D
 Acq On : 22 Feb 2024 17:54
 Operator : RP/MD
 Sample : P1538-07MS
 Misc : 5.03G/5ml/MSVOA_D/SOIL/B
 ALS Vial : 17 Sample Multiplier: 1

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

Quant Time: Feb 23 01:06:41 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	57724	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	103917	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	82257	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	28038	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	43575	69.816	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 139.640%			
35) Dibromofluoromethane	7.810	113	43347	65.667	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 131.340%			
50) Toluene-d8	10.269	98	141694	53.660	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 107.320%			
62) 4-Bromofluorobenzene	12.569	95	32349	42.098	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 84.200%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.934	85	33405	58.734	ug/l	98
3) Chloromethane	2.152	50	66162	63.300	ug/l	98
4) Vinyl Chloride	2.281	62	97497	61.129	ug/l	96
5) Bromomethane	2.687	94	47333	42.994	ug/l	99
6) Chloroethane	2.828	64	70512	60.628	ug/l	99
7) Trichlorofluoromethane	3.164	101	56252	52.283	ug/l	91
8) Diethyl Ether	3.587	74	19968	64.435	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.969	101	30257	44.578	ug/l	97
10) Methyl Iodide	4.163	142	16872	27.754	ug/l #	88
11) Tert butyl alcohol	5.058	59	13273	395.663	ug/l	97
12) 1,1-Dichloroethene	3.934	96	31196	49.575	ug/l	96
13) Acrolein	3.793	56	167	2.896	ug/l #	1
14) Allyl chloride	4.569	41	38682	49.759	ug/l	93
15) Acrylonitrile	5.252	53	48181	363.188	ug/l	99
16) Acetone	4.028	43	51738	465.475	ug/l	87
17) Carbon Disulfide	4.269	76	77541	36.620	ug/l	96
18) Methyl Acetate	4.563	43	59237	120.633	ug/l	94
19) Methyl tert-butyl Ether	5.322	73	90477	67.674	ug/l	99
20) Methylene Chloride	4.793	84	60708	88.226	ug/l	94
21) trans-1,2-Dichloroethene	5.305	96	34880	47.118	ug/l	87
22) Diisopropyl ether	6.216	45	98841	57.687	ug/l	94
23) Vinyl Acetate	6.157	43	66574	85.584	ug/l	96
24) 1,1-Dichloroethane	6.116	63	67870	55.916	ug/l	96
25) 2-Butanone	7.081	43	63336	410.610	ug/l #	85
26) 2,2-Dichloropropane	7.075	77	54050	53.120	ug/l	95
27) cis-1,2-Dichloroethene	7.081	96	42011	51.725	ug/l	92
28) Bromochloromethane	7.428	49	30214	62.848	ug/l	86
29) Tetrahydrofuran	7.440	42	35935	387.150	ug/l	90
30) Chloroform	7.593	83	75525	58.810	ug/l	98
31) Cyclohexane	7.875	56	30639	29.020	ug/l	93
32) 1,1,1-Trichloroethane	7.793	97	57189	52.231	ug/l	98
36) 1,1-Dichloropropene	8.010	75	43081	42.012	ug/l	95
37) Ethyl Acetate	7.169	43	20389	56.720	ug/l	98
38) Carbon Tetrachloride	7.987	117	25702	25.309	ug/l	98
39) Methylcyclohexane	9.269	83	22065	18.125	ug/l #	86
40) Benzene	8.251	78	156985	52.964	ug/l	99

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41) Methacrylonitrile	7.399	41	11162	59.665	ug/l #	80
42) 1,2-Dichloroethane	8.322	62	46839	61.073	ug/l	96
43) Isopropyl Acetate	8.363	43	43613	65.520	ug/l #	79
44) Trichloroethene	9.028	130	36678	48.505	ug/l	96
45) 1,2-Dichloropropane	9.304	63	40787	56.085	ug/l	100
46) Dibromomethane	9.387	93	25461	62.245	ug/l	91
47) Bromodichloromethane	9.587	83	56650	55.915	ug/l	98
48) Methyl methacrylate	9.381	41	27207	77.041	ug/l #	80
49) 1,4-Dioxane	9.387	88	7322	1652.894	ug/l #	85
51) 4-Methyl-2-Pentanone	10.157	43	131044	370.925	ug/l	91
52) Toluene	10.334	92	89622	47.814	ug/l	95
53) t-1,3-Dichloropropene	10.551	75	40885	44.226	ug/l	100
54) cis-1,3-Dichloropropene	10.016	75	43890	39.153	ug/l #	92
55) 1,1,2-Trichloroethane	10.734	97	35756	64.910	ug/l	91
56) Ethyl methacrylate	10.598	69	27626	54.225	ug/l #	89
57) 1,3-Dichloropropane	10.881	76	58155	62.062	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.869	63	112533	374.990	ug/l	96
59) 2-Hexanone	10.922	43	94216	354.861	ug/l	90
60) Dibromochloromethane	11.069	129	37814	57.054	ug/l	94
61) 1,2-Dibromoethane	11.181	107	31658	61.216	ug/l	98
64) Tetrachloroethene	10.810	164	31228	60.105	ug/l	97
65) Chlorobenzene	11.604	112	85211	51.528	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.681	131	36504	60.067	ug/l	94
67) Ethyl Benzene	11.681	91	128922	43.511	ug/l	99
68) m/p-Xylenes	11.792	106	99437	86.036	ug/l	91
69) o-Xylene	12.122	106	48278	45.774	ug/l	92
70) Styrene	12.134	104	70501	40.957	ug/l	95
71) Bromoform	12.298	173	20551	64.248	ug/l #	99
73) Isopropylbenzene	12.422	105	95848	50.909	ug/l	96
74) N-amyl acetate	12.234	43	18568	52.131	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.675	83	40382	108.127	ug/l	98
76) 1,2,3-Trichloropropane	12.722	75	25566m	107.405	ug/l	
77) Bromobenzene	12.698	156	29914	67.607	ug/l	83
78) n-propylbenzene	12.763	91	103412	44.076	ug/l	95
79) 2-Chlorotoluene	12.845	91	66264	52.731	ug/l	95
80) 1,3,5-Trimethylbenzene	12.904	105	68942	44.099	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.469	75	4726	41.218	ug/l	95
82) 4-Chlorotoluene	12.945	91	70216	52.025	ug/l	96
83) tert-Butylbenzene	13.169	119	52552	39.859	ug/l	97
84) 1,2,4-Trimethylbenzene	13.210	105	71900	45.316	ug/l	99
85) sec-Butylbenzene	13.345	105	66726	32.633	ug/l	93
86) p-Isopropyltoluene	13.457	119	56411	32.391	ug/l	97
87) 1,3-Dichlorobenzene	13.457	146	43245	45.793	ug/l	98
88) 1,4-Dichlorobenzene	13.539	146	42553	45.860	ug/l	98
89) n-Butylbenzene	13.786	91	44928	26.764	ug/l	92
90) Hexachloroethane	14.051	117	4426	12.365	ug/l	99
91) 1,2-Dichlorobenzene	13.834	146	39347	49.617	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.445	75	5136	105.027	ug/l	92
93) 1,2,4-Trichlorobenzene	15.098	180	11262	24.165	ug/l	99
94) Hexachlorobutadiene	15.204	225	4029	16.562	ug/l	96
95) Naphthalene	15.333	128	37268	43.113	ug/l	98
96) 1,2,3-Trichlorobenzene	15.522	180	10439	26.429	ug/l	95

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

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