

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022224\
 Data File : VD078526.D
 Acq On : 22 Feb 2024 19:17
 Operator : RP/MD
 Sample : P1538-16MSD
 Misc : 5.06G/5ml/MSVOA_D/SOIL/A
 ALS Vial : 20 Sample Multiplier: 1

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

Quant Time: Feb 23 01:09:32 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	102180	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	177993	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	165333	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	78778	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	56335	50.990	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	101.980%		
35) Dibromofluoromethane	8.004	113	1890	1.672	ug/l	0.19
Spiked Amount 50.000	Range 54 - 147		Recovery =	3.340%#		
50) Toluene-d8	10.269	98	217234	48.030	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	96.060%		
62) 4-Bromofluorobenzene	12.569	95	63291	48.087	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	96.180%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.934	85	61790	61.375	ug/l	100
3) Chloromethane	2.152	50	113795	61.504	ug/l	99
4) Vinyl Chloride	2.281	62	176080	62.367	ug/l	99
5) Bromomethane	2.681	94	94095	48.284	ug/l	99
6) Chloroethane	2.828	64	126985	61.681	ug/l	95
7) Trichlorofluoromethane	3.163	101	107669	56.534	ug/l	97
8) Diethyl Ether	3.593	74	34962	63.734	ug/l	87
9) 1,1,2-Trichlorotrifluo...	3.958	101	64716	53.864	ug/l	97
10) Methyl Iodide	4.158	142	49272	45.787	ug/l	92
11) Tert butyl alcohol	5.063	59	19587	328.888	ug/l	100
12) 1,1-Dichloroethene	3.940	96	85092	76.391	ug/l	94
13) Acrolein	3.799	56	789	7.730	ug/l	# 58
14) Allyl chloride	4.557	41	63319	46.014	ug/l	90
15) Acrylonitrile	5.257	53	76562	326.031	ug/l	98
16) Acetone	4.022	43	86545	436.278	ug/l	95
17) Carbon Disulfide	4.263	76	295015	78.709	ug/l	98
18) Methyl Acetate	4.563	43	68	4.019	ug/l	# 42
19) Methyl tert-butyl Ether	5.316	73	160471	67.806	ug/l	97
20) Methylene Chloride	4.799	84	100095	81.952	ug/l	# 88
21) trans-1,2-Dichloroethene	5.305	96	73190	55.853	ug/l	99
22) Diisopropyl ether	6.222	45	171742	56.625	ug/l	94
23) Vinyl Acetate	6.216	43	91395	63.042	ug/l	# 65
24) 1,1-Dichloroethane	6.110	63	125596	58.456	ug/l	98
25) 2-Butanone	7.081	43	101996	372.041	ug/l	92
26) 2,2-Dichloropropane	7.075	77	97136	53.930	ug/l	98
27) cis-1,2-Dichloroethene	7.075	96	85787	59.669	ug/l	97
28) Bromochloromethane	7.422	49	39674	46.621	ug/l	93
29) Tetrahydrofuran	7.446	42	57367	349.152	ug/l	92
30) Chloroform	7.593	83	136121	59.879	ug/l	99
31) Cyclohexane	7.881	56	83135	44.483	ug/l	90
32) 1,1,1-Trichloroethane	7.793	97	112447	58.017	ug/l	98
36) 1,1-Dichloropropene	8.010	75	94597	53.857	ug/l	97
37) Ethyl Acetate	7.081	43	101996	165.656	ug/l	# 1
38) Carbon Tetrachloride	7.987	117	93832	53.944	ug/l	96
39) Methylcyclohexane	9.275	83	78716	37.750	ug/l	100
40) Benzene	8.251	78	296814	58.464	ug/l	99

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Reviewed By :Mahesh Dadoda 02/23/2024
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	19996	62.402	ug/l #	90
42) 1,2-Dichloroethane	8.328	62	80883	61.572	ug/l	98
43) Isopropyl Acetate	8.369	43	1386	1.216	ug/l #	47
44) Trichloroethene	9.028	130	144244	111.368	ug/l	93
45) 1,2-Dichloropropane	9.304	63	75510	60.620	ug/l	100
46) Dibromomethane	9.393	93	44302	63.232	ug/l	92
47) Bromodichloromethane	9.581	83	93554	53.911	ug/l	99
48) Methyl methacrylate	9.304	41	60896m	100.674	ug/l	
49) 1,4-Dioxane	9.387	88	12277	1618.048	ug/l	97
51) 4-Methyl-2-Pentanone	10.157	43	211607	349.690	ug/l	94
52) Toluene	10.334	92	188466	58.703	ug/l	96
53) t-1,3-Dichloropropene	10.551	75	87765	55.426	ug/l	94
54) cis-1,3-Dichloropropene	10.016	75	98124	51.104	ug/l #	90
55) 1,1,2-Trichloroethane	10.734	97	39435	41.795	ug/l	93
57) 1,3-Dichloropropane	10.881	76	103187	64.290	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	186904	363.615	ug/l	95
59) 2-Hexanone	10.922	43	154039	338.725	ug/l	93
60) Dibromochloromethane	11.069	129	67892	59.804	ug/l	93
61) 1,2-Dibromoethane	11.181	107	59190	66.821	ug/l	100
64) Tetrachloroethene	10.810	164	106163	101.660	ug/l	92
65) Chlorobenzene	11.604	112	196638	59.160	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.681	131	72597	59.433	ug/l	96
67) Ethyl Benzene	11.681	91	338748	56.880	ug/l	98
68) m/p-Xylenes	11.792	106	264387	113.811	ug/l	93
69) o-Xylene	12.122	106	121625	57.372	ug/l	91
70) Styrene	12.134	104	194842	56.316	ug/l	98
71) Bromoform	12.298	173	43134	67.090	ug/l #	98
73) Isopropylbenzene	12.422	105	292468	55.288	ug/l	97
76) 1,2,3-Trichloropropane	12.722	75	45752m	68.409	ug/l	
77) Bromobenzene	12.698	156	80146	64.468	ug/l	93
78) n-propylbenzene	12.763	91	339403	51.486	ug/l	96
79) 2-Chlorotoluene	12.851	91	197332	55.889	ug/l	96
80) 1,3,5-Trimethylbenzene	12.904	105	237166	53.994	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.469	75	14524	45.084	ug/l	96
82) 4-Chlorotoluene	12.945	91	213055	56.184	ug/l	96
83) tert-Butylbenzene	13.163	119	180736	48.789	ug/l	97
84) 1,2,4-Trimethylbenzene	13.210	105	243427	54.605	ug/l	100
85) sec-Butylbenzene	13.345	105	241034	41.955	ug/l	96
86) p-Isopropyltoluene	13.463	119	222622	45.495	ug/l	98
87) 1,3-Dichlorobenzene	13.457	146	144763	54.559	ug/l	99
88) 1,4-Dichlorobenzene	13.533	146	146247	56.096	ug/l	99
89) n-Butylbenzene	13.786	91	173242	36.731	ug/l	97
90) Hexachloroethane	14.051	117	42381	42.139	ug/l	92
91) 1,2-Dichlorobenzene	13.828	146	131505	59.021	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.445	75	6792	49.433	ug/l	96
93) 1,2,4-Trichlorobenzene	15.098	180	56641	43.255	ug/l	98
94) Hexachlorobutadiene	15.204	225	12671	18.539	ug/l	96
95) Naphthalene	15.333	128	157137	64.699	ug/l	98
96) 1,2,3-Trichlorobenzene	15.522	180	49392	44.506	ug/l	98

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

