

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022024\
 Data File : VD078489.D
 Acq On : 20 Feb 2024 17:54
 Operator : RP/MD
 Sample : P1523-10MSD
 Misc : 5.06G/5ml/MSVOA_D/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 20240768-AMENDE-Comp-39N-N-3-

Quant Time: Feb 21 05:27:46 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 02/21/2024
 Supervised By :Semsettin Yesilyurt 02/21/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.875	168	103744	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	183046	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	169265	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	77624	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	65529	58.418	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 116.840%			
35) Dibromofluoromethane	7.804	113	3141	2.701	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 5.400%#			
50) Toluene-d8	10.269	98	254014	54.612	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 109.220%			
62) 4-Bromofluorobenzene	12.575	95	69359	51.243	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 102.480%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.934	85	58096	56.835	ug/l	97
3) Chloromethane	2.152	50	114352	60.874	ug/l	97
4) Vinyl Chloride	2.281	62	168078	58.636	ug/l	97
5) Bromomethane	2.687	94	107544	54.353	ug/l	100
6) Chloroethane	2.834	64	122666	58.685	ug/l	95
7) Trichlorofluoromethane	3.169	101	104105	53.838	ug/l	95
8) Diethyl Ether	3.593	74	34966	62.780	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.969	101	61256	50.216	ug/l	99
10) Methyl Iodide	4.164	142	56619	51.822	ug/l #	90
11) Tert butyl alcohol	5.063	59	19334	319.585	ug/l #	93
12) 1,1-Dichloroethene	3.940	96	68632	60.686	ug/l	88
13) Acrolein	3.799	56	1183	11.416	ug/l #	58
14) Allyl chloride	4.558	41	69344	49.633	ug/l	92
15) Acrylonitrile	5.263	53	75405	316.264	ug/l	99
16) Acetone	4.028	43	77763	379.477	ug/l	88
17) Carbon Disulfide	4.269	76	256808	67.483	ug/l	98
18) Methyl Acetate	4.569	43	338	4.332	ug/l #	47
19) Methyl tert-butyl Ether	5.328	73	161434	67.185	ug/l	96
20) Methylene Chloride	4.799	84	86016	68.857	ug/l	88
21) trans-1,2-Dichloroethene	5.311	96	75474	56.728	ug/l	96
22) Diisopropyl ether	6.222	45	177408	57.611	ug/l	99
23) Vinyl Acetate	6.216	43	96764	66.374	ug/l #	66
24) 1,1-Dichloroethane	6.110	63	127086	58.258	ug/l	96
25) 2-Butanone	7.087	43	95420	341.491	ug/l #	86
26) 2,2-Dichloropropane	7.081	77	103322	56.500	ug/l	95
27) cis-1,2-Dichloroethene	7.081	96	88493	60.624	ug/l	97
28) Bromochloromethane	7.422	49	43086	49.867	ug/l	89
29) Tetrahydrofuran	7.446	42	57431	344.272	ug/l	90
30) Chloroform	7.599	83	141843	61.455	ug/l	96
31) Cyclohexane	7.875	56	84809	44.695	ug/l	95
32) 1,1,1-Trichloroethane	7.793	97	112099	56.965	ug/l	98
36) 1,1-Dichloropropene	8.010	75	95818	53.047	ug/l	98
37) Ethyl Acetate	7.169	43	2228m	3.519	ug/l	
38) Carbon Tetrachloride	7.993	117	92929	51.950	ug/l	98
39) Methylcyclohexane	9.275	83	98553	45.959	ug/l	98
40) Benzene	8.252	78	307091	58.819	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.404	41	20197	61.290	ug/l	97
42) 1,2-Dichloroethane	8.328	62	80556	59.630	ug/l	96
43) Isopropyl Acetate	8.363	43	22499	19.189	ug/l #	55
44) Trichloroethene	9.028	130	145843	109.495	ug/l	86
45) 1,2-Dichloropropane	9.304	63	76663	59.847	ug/l	96
46) Dibromomethane	9.393	93	44114	61.225	ug/l	94
47) Bromodichloromethane	9.587	83	103177	57.815	ug/l	100
48) Methyl methacrylate	9.387	41	3052	4.906	ug/l #	63
49) 1,4-Dioxane	9.387	88	10772	1380.505	ug/l	92
51) 4-Methyl-2-Pentanone	10.157	43	202963	326.146	ug/l	93
52) Toluene	10.334	92	192601	58.335	ug/l	98
53) t-1,3-Dichloropropene	10.551	75	90969	55.864	ug/l	96
54) cis-1,3-Dichloropropene	10.016	75	104106	52.723	ug/l #	89
55) 1,1,2-Trichloroethane	10.734	97	55611	57.312	ug/l	97
56) Ethyl methacrylate	10.593	69	12381	13.796	ug/l #	77
57) 1,3-Dichloropropane	10.881	76	101663	61.592	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	194185	367.351	ug/l	96
59) 2-Hexanone	10.922	43	150079	320.907	ug/l	91
60) Dibromochloromethane	11.075	129	72175	61.822	ug/l	99
61) 1,2-Dibromoethane	11.181	107	58204	63.894	ug/l	99
64) Tetrachloroethene	10.810	164	108183	101.188	ug/l	97
65) Chlorobenzene	11.604	112	202658	59.555	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.681	131	76819	61.428	ug/l	96
67) Ethyl Benzene	11.681	91	341981	56.089	ug/l	100
68) m/p-Xylenes	11.793	106	271314	114.080	ug/l	93
69) o-Xylene	12.116	106	126740	58.396	ug/l	95
70) Styrene	12.134	104	194217	54.831	ug/l	96
71) Bromoform	12.298	173	41561	63.142	ug/l #	99
73) Isopropylbenzene	12.422	105	305177	58.548	ug/l	97
74) N-amyl acetate	12.234	43	2231	2.262	ug/l #	86
75) 1,1,2,2-Tetrachloroethane	12.710	83	1468	1.420	ug/l #	54
76) 1,2,3-Trichloropropane	12.722	75	42671m	64.751	ug/l	
77) Bromobenzene	12.698	156	78536	64.112	ug/l	92
78) n-propylbenzene	12.763	91	365779	56.312	ug/l	96
79) 2-Chlorotoluene	12.845	91	204582	58.804	ug/l	96
80) 1,3,5-Trimethylbenzene	12.904	105	250775	57.941	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.469	75	15336	48.312	ug/l	97
82) 4-Chlorotoluene	12.945	91	218088	58.366	ug/l	95
83) tert-Butylbenzene	13.163	119	200406	54.903	ug/l	95
84) 1,2,4-Trimethylbenzene	13.210	105	257846	58.700	ug/l	96
85) sec-Butylbenzene	13.339	105	288406	50.947	ug/l	94
86) p-Isopropyltoluene	13.457	119	253031	52.478	ug/l	98
87) 1,3-Dichlorobenzene	13.457	146	148856	56.935	ug/l	99
88) 1,4-Dichlorobenzene	13.534	146	150994	58.777	ug/l	100
89) n-Butylbenzene	13.787	91	216512	46.588	ug/l	98
90) Hexachloroethane	14.051	117	48587	49.028	ug/l	94
91) 1,2-Dichlorobenzene	13.828	146	129957	59.193	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.439	75	8333	61.550	ug/l	98
93) 1,2,4-Trichlorobenzene	15.092	180	59871	46.401	ug/l	97
94) Hexachlorobutadiene	15.198	225	20906	31.042	ug/l	100
95) Naphthalene	15.328	128	146898	61.382	ug/l	98
96) 1,2,3-Trichlorobenzene	15.516	180	52107	47.651	ug/l	99

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

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