

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022124\
 Data File : VD078508.D
 Acq On : 21 Feb 2024 19:27
 Operator : RP/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Feb 22 00:09:01 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 02/22/2024
 Supervised By :Semsettin Yesilyurt 02/22/2024

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	116713	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	200317	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	195572	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	106178	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	69107	54.762	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 109.520%			
35) Dibromofluoromethane	7.804	113	75444	59.290	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 118.580%			
50) Toluene-d8	10.269	98	292174	57.400	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 114.800%			
62) 4-Bromofluorobenzene	12.569	95	86526	58.414	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 116.820%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	57718	50.191	ug/l	99
3) Chloromethane	2.152	50	114550	54.203	ug/l	98
4) Vinyl Chloride	2.281	62	168333	52.199	ug/l	98
5) Bromomethane	2.687	94	126109	56.654	ug/l	98
6) Chloroethane	2.834	64	124238	52.833	ug/l	97
7) Trichlorofluoromethane	3.169	101	107092	49.229	ug/l	99
8) Diethyl Ether	3.599	74	34096	54.416	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.969	101	62987	45.897	ug/l	98
10) Methyl Iodide	4.163	142	66569	54.158	ug/l	93
11) Tert butyl alcohol	5.063	59	19603	287.454	ug/l	95
12) 1,1-Dichloroethene	3.940	96	62601	49.202	ug/l	87
13) Acrolein	3.793	56	17576	150.760	ug/l	97
14) Allyl chloride	4.563	41	77748	49.464	ug/l	94
15) Acrylonitrile	5.257	53	75851	282.784	ug/l	98
16) Acetone	4.028	43	60350	248.289	ug/l	88
17) Carbon Disulfide	4.269	76	194885	45.521	ug/l	97
18) Methyl Acetate	4.563	43	63863	67.792	ug/l	95
19) Methyl tert-butyl Ether	5.328	73	152543	56.430	ug/l	100
20) Methylene Chloride	4.805	84	84322	59.577	ug/l	92
21) trans-1,2-Dichloroethene	5.316	96	78637	52.538	ug/l	98
22) Diisopropyl ether	6.216	45	186275	53.769	ug/l	97
23) Vinyl Acetate	6.157	43	355408	250.331	ug/l	93
24) 1,1-Dichloroethane	6.116	63	128232	52.251	ug/l	98
25) 2-Butanone	7.081	43	90180	284.197	ug/l	91
26) 2,2-Dichloropropane	7.081	77	99895	48.556	ug/l	96
27) cis-1,2-Dichloroethene	7.081	96	88802	54.075	ug/l	98
28) Bromochloromethane	7.422	49	54825	56.402	ug/l	86
29) Tetrahydrofuran	7.446	42	54853	292.280	ug/l	93
30) Chloroform	7.599	83	141732	54.584	ug/l	96
31) Cyclohexane	7.875	56	92187	43.185	ug/l	96
32) 1,1,1-Trichloroethane	7.793	97	112657	50.888	ug/l	100
36) 1,1-Dichloropropene	8.004	75	98138	49.647	ug/l	98
37) Ethyl Acetate	7.169	43	38878	56.106	ug/l	96
38) Carbon Tetrachloride	7.993	117	101011	51.599	ug/l	98
39) Methylcyclohexane	9.275	83	112812	48.073	ug/l	98
40) Benzene	8.251	78	314427	55.031	ug/l	98

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 Supervised By :Semsettin Yesilyurt 02/22/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	16568m	45.942	ug/l	
42) 1,2-Dichloroethane	8.328	62	81364	55.036	ug/l	97
43) Isopropyl Acetate	8.363	43	71223	55.507	ug/l	96
44) Trichloroethene	9.034	130	81397	55.842	ug/l	98
45) 1,2-Dichloropropane	9.304	63	78394	55.921	ug/l	99
46) Dibromomethane	9.393	93	44855	56.886	ug/l	93
47) Bromodichloromethane	9.587	83	108321	55.464	ug/l	98
48) Methyl methacrylate	9.381	41	39306	57.739	ug/l #	90
49) 1,4-Dioxane	9.387	88	10379	1215.457	ug/l #	90
51) 4-Methyl-2-Pentanone	10.157	43	200977	295.110	ug/l	94
52) Toluene	10.334	92	202844	56.140	ug/l	96
53) t-1,3-Dichloropropene	10.551	75	99799	56.002	ug/l	99
54) cis-1,3-Dichloropropene	10.016	75	118600	54.885	ug/l #	91
55) 1,1,2-Trichloroethane	10.734	97	63665	59.956	ug/l	94
56) Ethyl methacrylate	10.598	69	50834	51.762	ug/l	89
57) 1,3-Dichloropropane	10.881	76	105071	58.169	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.869	63	195607	338.137	ug/l	95
59) 2-Hexanone	10.922	43	143148	279.697	ug/l	93
60) Dibromochloromethane	11.075	129	74335	58.183	ug/l	96
61) 1,2-Dibromoethane	11.181	107	61099	61.289	ug/l	96
64) Tetrachloroethene	10.810	164	66978	54.220	ug/l	93
65) Chlorobenzene	11.604	112	217300	55.268	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.681	131	80445	55.675	ug/l	99
67) Ethyl Benzene	11.681	91	375705	53.331	ug/l	98
68) m/p-Xylenes	11.792	106	301883	109.859	ug/l	94
69) o-Xylene	12.122	106	136379	54.385	ug/l	92
70) Styrene	12.134	104	218468	53.381	ug/l	97
71) Bromoform	12.298	173	44516	58.534	ug/l #	96
73) Isopropylbenzene	12.422	105	360219	50.523	ug/l	95
74) N-amyl acetate	12.234	43	67447	50.004	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.675	83	73814	52.191	ug/l	99
76) 1,2,3-Trichloropropane	12.722	75	46531m	51.620	ug/l	
77) Bromobenzene	12.698	156	91131	54.387	ug/l	95
78) n-propylbenzene	12.763	91	439016	49.411	ug/l	97
79) 2-Chlorotoluene	12.845	91	240839	50.609	ug/l	96
80) 1,3,5-Trimethylbenzene	12.904	105	305078	51.531	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.469	75	22727	52.342	ug/l	99
82) 4-Chlorotoluene	12.945	91	256426	50.171	ug/l	97
83) tert-Butylbenzene	13.163	119	263751	52.825	ug/l	97
84) 1,2,4-Trimethylbenzene	13.210	105	314876	52.405	ug/l	98
85) sec-Butylbenzene	13.345	105	369822	47.761	ug/l	97
86) p-Isopropyltoluene	13.457	119	335093	50.808	ug/l	98
87) 1,3-Dichlorobenzene	13.457	146	184684	51.642	ug/l	98
88) 1,4-Dichlorobenzene	13.534	146	186408	53.049	ug/l	99
89) n-Butylbenzene	13.786	91	312950	49.230	ug/l	98
90) Hexachloroethane	14.051	117	67958	50.133	ug/l	94
91) 1,2-Dichlorobenzene	13.828	146	165716	55.182	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.445	75	9611	51.899	ug/l	90
93) 1,2,4-Trichlorobenzene	15.098	180	95592	54.162	ug/l	99
94) Hexachlorobutadiene	15.198	225	46597	50.582	ug/l	99
95) Naphthalene	15.328	128	191600	58.531	ug/l	98
96) 1,2,3-Trichlorobenzene	15.516	180	85943	57.458	ug/l	98

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

