

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122024\
 Data File : VY020682.D
 Acq On : 20 Dec 2024 19:35
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 12/23/2024
 Supervised By :Mahesh Dadoda 12/24/2024

Quant Time: Dec 20 22:04:30 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 18 05:27:13 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	143833	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	225180	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	204671	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	118027	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	67912	43.111	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	86.220%		
35) Dibromofluoromethane	7.634	113	70081	44.159	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	88.320%		
50) Toluene-d8	10.103	98	236316	42.543	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	85.080%		
62) 4-Bromofluorobenzene	12.408	95	91351	42.042	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery =	84.080%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	81747	45.502	ug/l	95
3) Chloromethane	2.068	50	58949	44.285	ug/l	95
4) Vinyl Chloride	2.202	62	37701	30.430	ug/l	97
5) Bromomethane	2.598	94	27270	34.241	ug/l	96
6) Chloroethane	2.733	64	23852	31.154	ug/l	98
7) Trichlorofluoromethane	3.062	101	97429	37.582	ug/l	98
8) Diethyl Ether	3.458	74	38091	41.896	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.818	101	72820	39.189	ug/l	100
10) Methyl Iodide	4.007	142	89063	43.050	ug/l	99
11) Tert butyl alcohol	4.866	59	36300	213.879	ug/l	100
12) 1,1-Dichloroethene	3.787	96	71932	39.896	ug/l	95
13) Acrolein	3.653	56	10852	145.691	ug/l	100
14) Allyl chloride	4.385	41	138460	43.827	ug/l	98
15) Acrylonitrile	5.061	53	114092	262.307	ug/l	98
16) Acetone	3.873	43	62589	198.675	ug/l	99
17) Carbon Disulfide	4.104	76	240927	41.052	ug/l	99
18) Methyl Acetate	4.385	43	49816	46.480	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	242425	52.095	ug/l	98
20) Methylene Chloride	4.616	84	94785	48.394	ug/l	97
21) trans-1,2-Dichloroethene	5.116	96	102508	50.685	ug/l	94
22) Diisopropyl ether	6.025	45	337414	52.616	ug/l	99
23) Vinyl Acetate	5.964	43	967217	266.302	ug/l	100
24) 1,1-Dichloroethane	5.921	63	196407	52.280	ug/l	99
25) 2-Butanone	6.896	43	145082	247.823	ug/l	97
26) 2,2-Dichloropropane	6.890	77	162135	45.653	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	120298	51.699	ug/l	98
28) Bromochloromethane	7.244	49	82386	65.015	ug/l	99
29) Tetrahydrofuran	7.262	42	99121	268.209	ug/l	99
30) Chloroform	7.421	83	204738	54.780	ug/l	97
31) Cyclohexane	7.701	56	159093	44.289	ug/l	99
32) 1,1,1-Trichloroethane	7.622	97	173221	50.188	ug/l	99
36) 1,1-Dichloropropene	7.841	75	140911	48.693	ug/l	99
37) Ethyl Acetate	6.988	43	68879	50.601	ug/l	99
38) Carbon Tetrachloride	7.817	117	155919	48.699	ug/l	98
39) Methylcyclohexane	9.109	83	165792	43.957	ug/l	95
40) Benzene	8.079	78	429017	50.578	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	35040	48.692	ug/l #	91
42) 1,2-Dichloroethane	8.158	62	116059	51.589	ug/l	99
43) Isopropyl Acetate	8.195	43	132653	51.476	ug/l #	87
44) Trichloroethene	8.866	130	104350	50.065	ug/l	97
45) 1,2-Dichloropropane	9.140	63	102993	51.953	ug/l	97
46) Dibromomethane	9.231	93	55249	52.734	ug/l	100
47) Bromodichloromethane	9.420	83	148983	52.643	ug/l	99
48) Methyl methacrylate	9.219	41	64336	52.516	ug/l	99
49) 1,4-Dioxane	9.231	88	12848	1069.318	ug/l	92
51) 4-Methyl-2-Pentanone	9.993	43	347100	255.175	ug/l	100
52) Toluene	10.170	92	269709	51.164	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	137082	51.983	ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	161185	51.582	ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	72252	52.160	ug/l	94
56) Ethyl methacrylate	10.438	69	106862	53.177	ug/l	98
57) 1,3-Dichloropropane	10.719	76	129720	52.533	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.707	63	269274	318.460	ug/l	100
59) 2-Hexanone	10.762	43	232450	266.163	ug/l	100
60) Dibromochloromethane	10.908	129	98561	53.204	ug/l	99
61) 1,2-Dibromoethane	11.012	107	67268	52.208	ug/l	99
64) Tetrachloroethene	10.646	164	90723	47.125	ug/l	94
65) Chlorobenzene	11.444	112	288406	50.396	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.518	131	100036	51.120	ug/l	99
67) Ethyl Benzene	11.518	91	520329	49.283	ug/l	99
68) m/p-Xylenes	11.627	106	386215	98.385	ug/l	99
69) o-Xylene	11.957	106	182369	49.791	ug/l	99
70) Styrene	11.969	104	308084	50.345	ug/l	99
71) Bromoform	12.133	173	57006	51.813	ug/l #	99
73) Isopropylbenzene	12.255	105	488221	47.402	ug/l	99
74) N-amyl acetate	12.072	43	119742	49.676	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	85524	51.155	ug/l	97
76) 1,2,3-Trichloropropane	12.554	75	62789m	51.211	ug/l	
77) Bromobenzene	12.530	156	111242	49.582	ug/l	99
78) n-propylbenzene	12.597	91	585185	47.158	ug/l	99
79) 2-Chlorotoluene	12.682	91	337195	48.298	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	398582	47.693	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	29107	49.831	ug/l	99
82) 4-Chlorotoluene	12.780	91	346496	47.838	ug/l	99
83) tert-Butylbenzene	12.999	119	356447	47.095	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	393582	48.012	ug/l	99
85) sec-Butylbenzene	13.176	105	510662	46.404	ug/l	100
86) p-Isopropyltoluene	13.292	119	429462	47.333	ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	212764	48.040	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	210538	47.998	ug/l	100
89) n-Butylbenzene	13.621	91	403246	46.895	ug/l	99
90) Hexachloroethane	13.883	117	86293	47.992	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	187168	48.776	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	12831	47.271	ug/l	95
93) 1,2,4-Trichlorobenzene	14.925	180	111082	47.858	ug/l	99
94) Hexachlorobutadiene	15.029	225	73289	48.301	ug/l	98
95) Naphthalene	15.145	128	201284	50.583	ug/l	99
96) 1,2,3-Trichlorobenzene	15.334	180	95931	48.917	ug/l	99

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

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