

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031924\
 Data File : VY017702.D
 Acq On : 19 Mar 2024 10:35
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Quant Time: Mar 19 11:59:02 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022324S.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 24 04:41:20 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/20/2024
 Supervised By :Semsettin Yesilyurt 03/20/2024

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

Internal Standards						
1) Pentafluorobenzene	7.807	168	141563	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.709	114	219588	50.000	ug/l	0.02
63) Chlorobenzene-d5	11.507	117	194694	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.440	152	89864	50.000	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.160	65	69811	52.034	ug/l	0.02
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.060%			
35) Dibromofluoromethane	7.734	113	88176	57.625	ug/l	0.02
Spiked Amount 50.000	Range 54 - 147		Recovery = 115.260%			
50) Toluene-d8	10.197	98	323725	60.509	ug/l	0.01
Spiked Amount 50.000	Range 58 - 134		Recovery = 121.020%			
62) 4-Bromofluorobenzene	12.495	95	97729	58.125	ug/l	0.01
Spiked Amount 50.000	Range 30 - 143		Recovery = 116.240%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	47963	45.931	ug/l	100
3) Chloromethane	2.125	50	83446	43.735	ug/l	99
4) Vinyl Chloride	2.265	62	107543	43.936	ug/l	98
5) Bromomethane	2.668	94	89621	44.929	ug/l	98
6) Chloroethane	2.808	64	73187	47.397	ug/l	99
7) Trichlorofluoromethane	3.143	101	111643	44.752	ug/l	92
8) Diethyl Ether	3.545	74	35403	48.385	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.917	101	70100	48.852	ug/l	97
10) Methyl Iodide	4.112	142	95858	59.525	ug/l	99
11) Tert butyl alcohol	4.978	59	15221	133.560	ug/l #	82
12) 1,1-Dichloroethene	3.893	96	69585	52.034	ug/l	99
13) Acrolein	3.747	56	28062	186.618	ug/l	100
14) Allyl chloride	4.503	41	82328	50.950	ug/l	96
15) Acrylonitrile	5.185	53	65904	219.105	ug/l	100
16) Acetone	3.960	43	68488	263.190	ug/l	96
17) Carbon Disulfide	4.216	76	211973	52.809	ug/l	98
18) Methyl Acetate	4.497	43	29635	46.941	ug/l	98
19) Methyl tert-butyl Ether	5.246	73	148275	47.570	ug/l	96
20) Methylene Chloride	4.740	84	79060	51.922	ug/l	95
21) trans-1,2-Dichloroethene	5.246	96	84373	53.886	ug/l	94
22) Diisopropyl ether	6.143	45	192519	51.632	ug/l	97
23) Vinyl Acetate	6.082	43	528175	237.713	ug/l	96
24) 1,1-Dichloroethane	6.039	63	132999	52.210	ug/l	100
25) 2-Butanone	7.008	43	86928	234.402	ug/l	99
26) 2,2-Dichloropropane	7.002	77	110869	51.766	ug/l	98
27) cis-1,2-Dichloroethene	7.008	96	95184	54.142	ug/l	96
28) Bromochloromethane	7.356	49	52424	52.254	ug/l	89
29) Tetrahydrofuran	7.368	42	46939	209.969	ug/l	97
30) Chloroform	7.526	83	145290	53.571	ug/l	99
31) Cyclohexane	7.807	56	106407	48.735	ug/l	96
32) 1,1,1-Trichloroethane	7.722	97	122761	52.136	ug/l	99
36) 1,1-Dichloropropene	7.935	75	107695	52.165	ug/l	98
37) Ethyl Acetate	7.094	43	34505	42.316	ug/l	98
38) Carbon Tetrachloride	7.917	117	110519	53.414	ug/l	97
39) Methylcyclohexane	9.203	83	129843	52.333	ug/l	99
40) Benzene	8.179	78	331760	54.111	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	19508m	47.675	ug/l	
42) 1,2-Dichloroethane	8.252	62	74830	50.024	ug/l	98
43) Isopropyl Acetate	8.289	43	61835	43.154	ug/l	95
44) Trichloroethene	8.959	130	94125	53.263	ug/l	96
45) 1,2-Dichloropropane	9.233	63	74798	51.278	ug/l	99
46) Dibromomethane	9.319	93	41911	50.205	ug/l	94
47) Bromodichloromethane	9.514	83	108349	53.454	ug/l	98
48) Methyl methacrylate	9.307	41	28961	43.665	ug/l	92
49) 1,4-Dioxane	9.313	88	7556	799.781	ug/l #	94
51) 4-Methyl-2-Pentanone	10.087	43	170201	213.127	ug/l	98
52) Toluene	10.258	92	212418	54.958	ug/l	99
53) t-1,3-Dichloropropene	10.477	75	96179	51.122	ug/l	98
54) cis-1,3-Dichloropropene	9.941	75	119977	52.482	ug/l	98
55) 1,1,2-Trichloroethane	10.660	97	59738	50.401	ug/l	97
56) Ethyl methacrylate	10.526	69	64314	44.406	ug/l	98
57) 1,3-Dichloropropane	10.806	76	95450	49.531	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.794	63	141318	206.619	ug/l	96
59) 2-Hexanone	10.843	43	129902	236.817	ug/l	98
60) Dibromochloromethane	11.001	129	73286	52.266	ug/l	99
61) 1,2-Dibromoethane	11.105	107	54609	49.996	ug/l	100
64) Tetrachloroethene	10.733	164	95448	51.077	ug/l	98
65) Chlorobenzene	11.532	112	224585	54.346	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.605	131	83872	54.175	ug/l	99
67) Ethyl Benzene	11.605	91	400544	55.267	ug/l	98
68) m/p-Xylenes	11.715	106	318679	111.903	ug/l	98
69) o-Xylene	12.044	106	147337	55.767	ug/l	97
70) Styrene	12.056	104	243479	55.519	ug/l	98
71) Bromoform	12.221	173	43075	50.208	ug/l #	98
73) Isopropylbenzene	12.343	105	381793	57.186	ug/l	99
74) N-amyl acetate	12.160	43	51992	44.154	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.593	83	58407	50.945	ug/l	99
76) 1,2,3-Trichloropropane	12.647	75	44656m	52.300	ug/l	
77) Bromobenzene	12.623	156	90452	55.945	ug/l	91
78) n-propylbenzene	12.684	91	453731	56.639	ug/l	98
79) 2-Chlorotoluene	12.769	91	246905	55.050	ug/l	98
80) 1,3,5-Trimethylbenzene	12.824	105	306094	57.227	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.391	75	17661	47.527	ug/l	95
82) 4-Chlorotoluene	12.867	91	252733	55.092	ug/l	97
83) tert-Butylbenzene	13.086	119	275207	58.593	ug/l	96
84) 1,2,4-Trimethylbenzene	13.135	105	301986	57.188	ug/l	98
85) sec-Butylbenzene	13.269	105	400725	55.803	ug/l	98
86) p-Isopropyltoluene	13.385	119	331787	56.441	ug/l	99
87) 1,3-Dichlorobenzene	13.379	146	179056	55.175	ug/l	98
88) 1,4-Dichlorobenzene	13.458	146	170106	53.915	ug/l	99
89) n-Butylbenzene	13.708	91	297579	55.484	ug/l	99
90) Hexachloroethane	13.977	117	65843	55.869	ug/l	97
91) 1,2-Dichlorobenzene	13.751	146	148454	54.081	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.367	75	6665	41.353	ug/l	92
93) 1,2,4-Trichlorobenzene	15.019	180	76477	52.745	ug/l	98
94) Hexachlorobutadiene	15.123	225	48541	54.224	ug/l	98
95) Naphthalene	15.251	128	114065	41.336	ug/l	99
96) 1,2,3-Trichlorobenzene	15.440	180	62395	50.162	ug/l	99

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

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