

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020224\
 Data File : VY017197.D
 Acq On : 02 Feb 2024 21:04
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Quant Time: Feb 02 22:35:17 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020124S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 02 00:56:04 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 02/05/2024
 Supervised By :Mahesh Dadoda 02/05/2024

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	114068	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	198926	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	173654	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	79382	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	53007	52.018	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.040%			
35) Dibromofluoromethane	7.722	113	55060	51.263	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.520%			
50) Toluene-d8	10.185	98	207251	52.997	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 106.000%			
62) 4-Bromofluorobenzene	12.489	95	67005	52.305	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 104.600%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	39804	46.031	ug/l	96
3) Chloromethane	2.113	50	80347	51.723	ug/l	95
4) Vinyl Chloride	2.253	62	92731	48.985	ug/l	99
5) Bromomethane	2.650	94	67481	51.425	ug/l	98
6) Chloroethane	2.796	64	62923	51.480	ug/l	100
7) Trichlorofluoromethane	3.125	101	94677	48.637	ug/l	99
8) Diethyl Ether	3.534	74	33545	54.785	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.906	101	58320	49.424	ug/l	99
10) Methyl Iodide	4.095	142	66828	53.870	ug/l	97
11) Tert butyl alcohol	4.960	59	20721	240.999	ug/l	98
12) 1,1-Dichloroethene	3.875	96	56590	51.181	ug/l	94
13) Acrolein	3.735	56	19164	225.837	ug/l	99
14) Allyl chloride	4.485	41	90427	54.098	ug/l	99
15) Acrylonitrile	5.167	53	73982	268.358	ug/l	100
16) Acetone	3.954	43	62852	209.855	ug/l	98
17) Carbon Disulfide	4.198	76	183229	51.914	ug/l	100
18) Methyl Acetate	4.485	43	41502	62.116	ug/l	100
19) Methyl tert-butyl Ether	5.228	73	143901	54.039	ug/l	99
20) Methylene Chloride	4.722	84	69877	57.490	ug/l	99
21) trans-1,2-Dichloroethene	5.228	96	68829	54.720	ug/l	99
22) Diisopropyl ether	6.125	45	204825	55.799	ug/l	97
23) Vinyl Acetate	6.070	43	584856	262.954	ug/l	100
24) 1,1-Dichloroethane	6.027	63	121913	54.215	ug/l	99
25) 2-Butanone	6.990	43	95633	240.193	ug/l	97
26) 2,2-Dichloropropane	6.990	77	93683	50.087	ug/l	99
27) cis-1,2-Dichloroethene	6.990	96	76843	54.622	ug/l	99
28) Bromochloromethane	7.344	49	48145	55.917	ug/l	99
29) Tetrahydrofuran	7.356	42	60120	267.302	ug/l	100
30) Chloroform	7.515	83	123845	54.748	ug/l	98
31) Cyclohexane	7.795	56	96826	47.142	ug/l	99
32) 1,1,1-Trichloroethane	7.710	97	102638	52.749	ug/l	99
36) 1,1-Dichloropropene	7.923	75	94710	51.120	ug/l	99
37) Ethyl Acetate	7.082	43	41984	48.858	ug/l	98
38) Carbon Tetrachloride	7.911	117	89424	50.411	ug/l	99
39) Methylcyclohexane	9.191	83	105853	48.905	ug/l	98
40) Benzene	8.167	78	281553	53.216	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	24498	60.172	ug/l	99
42) 1,2-Dichloroethane	8.246	62	72676	51.881	ug/l	100
43) Isopropyl Acetate	8.283	43	78786	51.794	ug/l	100
44) Trichloroethene	8.947	130	71934	53.561	ug/l	94
45) 1,2-Dichloropropane	9.222	63	68352	52.596	ug/l	99
46) Dibromomethane	9.313	93	36816	52.445	ug/l	99
47) Bromodichloromethane	9.502	83	93285	53.098	ug/l	96
48) Methyl methacrylate	9.301	41	36906	51.725	ug/l	96
49) 1,4-Dioxane	9.307	88	8282	1083.912	ug/l	97
51) 4-Methyl-2-Pentanone	10.081	43	216502	265.514	ug/l	99
52) Toluene	10.252	92	172507	54.017	ug/l	99
53) t-1,3-Dichloropropene	10.471	75	86909	52.666	ug/l	98
54) cis-1,3-Dichloropropene	9.935	75	104771	53.006	ug/l	99
55) 1,1,2-Trichloroethane	10.654	97	51060	53.460	ug/l	98
56) Ethyl methacrylate	10.520	69	64213	49.971	ug/l	99
57) 1,3-Dichloropropane	10.801	76	88372	53.795	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.789	63	170269	286.159	ug/l	99
59) 2-Hexanone	10.837	43	147090	249.464	ug/l	100
60) Dibromochloromethane	10.996	129	59271	52.898	ug/l	100
61) 1,2-Dibromoethane	11.099	107	47005	52.917	ug/l	99
64) Tetrachloroethene	10.727	164	60868	53.971	ug/l	97
65) Chlorobenzene	11.526	112	176939	52.819	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.599	131	65807	54.055	ug/l	99
67) Ethyl Benzene	11.599	91	326277	53.892	ug/l	100
68) m/p-Xylenes	11.709	106	250324	108.951	ug/l	100
69) o-Xylene	12.038	106	116800	55.203	ug/l	100
70) Styrene	12.050	104	196595	56.394	ug/l	99
71) Bromoform	12.215	173	33962	53.269	ug/l #	99
73) Isopropylbenzene	12.337	105	304710	52.251	ug/l	100
74) N-amyl acetate	12.154	43	67647	51.625	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.593	83	57165	49.839	ug/l	99
76) 1,2,3-Trichloropropane	12.642	75	37703m	51.459	ug/l	
77) Bromobenzene	12.617	156	68050	52.607	ug/l	96
78) n-propylbenzene	12.678	91	375160	52.379	ug/l	100
79) 2-Chlorotoluene	12.764	91	207449	52.683	ug/l	99
80) 1,3,5-Trimethylbenzene	12.825	105	247405	53.343	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.386	75	17203	48.787	ug/l	99
82) 4-Chlorotoluene	12.867	91	211449	52.176	ug/l	99
83) tert-Butylbenzene	13.087	119	215582	54.226	ug/l	99
84) 1,2,4-Trimethylbenzene	13.129	105	245271	53.576	ug/l	99
85) sec-Butylbenzene	13.264	105	320805	51.629	ug/l	99
86) p-Isopropyltoluene	13.379	119	260738	52.511	ug/l	99
87) 1,3-Dichlorobenzene	13.373	146	134770	52.226	ug/l	99
88) 1,4-Dichlorobenzene	13.459	146	132598	52.890	ug/l	100
89) n-Butylbenzene	13.703	91	247701	52.468	ug/l	99
90) Hexachloroethane	13.971	117	52426	51.431	ug/l	98
91) 1,2-Dichlorobenzene	13.751	146	116841	53.187	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.367	75	7444	49.825	ug/l	97
93) 1,2,4-Trichlorobenzene	15.019	180	61935	56.760	ug/l	99
94) Hexachlorobutadiene	15.123	225	33448	52.046	ug/l	99
95) Naphthalene	15.245	128	116843	52.674	ug/l	100
96) 1,2,3-Trichlorobenzene	15.434	180	52849	56.947	ug/l	97

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

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