

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020624\
 Data File : VY017277.D
 Acq On : 06 Feb 2024 20:09
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 02/07/2024
 Supervised By :Semsettin Yesilyurt 02/07/2024

Quant Time: Feb 07 00:12:49 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

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

Internal Standards						
1) Pentafluorobenzene	7.807	168	104101	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.703	114	190059	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	170824	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	78854	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.161	65	48044	51.662	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.320%			
35) Dibromofluoromethane	7.734	113	47276	46.069	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 92.140%			
50) Toluene-d8	10.191	98	177742	47.572	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 95.140%			
62) 4-Bromofluorobenzene	12.489	95	63722	52.063	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 104.120%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	33142	41.996	ug/l	98
3) Chloromethane	2.125	50	73570	51.894	ug/l	98
4) Vinyl Chloride	2.259	62	88684	51.333	ug/l	99
5) Bromomethane	2.662	94	68849	57.491	ug/l	97
6) Chloroethane	2.808	64	60319	54.074	ug/l	98
7) Trichlorofluoromethane	3.137	101	82169	46.253	ug/l	99
8) Diethyl Ether	3.552	74	28324	50.687	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.918	101	49628	46.084	ug/l	97
10) Methyl Iodide	4.113	142	41897	37.007	ug/l	100
11) Tert butyl alcohol	4.984	59	18543	235.974	ug/l	99
12) 1,1-Dichloroethene	3.893	96	46178	45.763	ug/l	98
13) Acrolein	3.747	56	18315	237.076	ug/l	99
14) Allyl chloride	4.503	41	74023	48.524	ug/l	97
15) Acrylonitrile	5.186	53	62340	247.778	ug/l	99
16) Acetone	3.972	43	55630	203.525	ug/l	99
17) Carbon Disulfide	4.216	76	138611	43.032	ug/l	100
18) Methyl Acetate	4.503	43	34524	56.619	ug/l	100
19) Methyl tert-butyl Ether	5.247	73	124077	51.056	ug/l	99
20) Methylene Chloride	4.741	84	58862	52.775	ug/l	94
21) trans-1,2-Dichloroethene	5.247	96	53983	47.027	ug/l	97
22) Diisopropyl ether	6.143	45	173144	51.685	ug/l	99
23) Vinyl Acetate	6.082	43	514601	253.518	ug/l	99
24) 1,1-Dichloroethane	6.045	63	100389	48.918	ug/l	98
25) 2-Butanone	7.008	43	83864	230.800	ug/l	98
26) 2,2-Dichloropropane	7.002	77	78352	45.901	ug/l	100
27) cis-1,2-Dichloroethene	7.008	96	63382	49.367	ug/l	100
28) Bromochloromethane	7.356	49	40029	50.942	ug/l	95
29) Tetrahydrofuran	7.374	42	52435	255.455	ug/l	99
30) Chloroform	7.527	83	102325	49.565	ug/l	100
31) Cyclohexane	7.807	56	84196	44.917	ug/l	99
32) 1,1,1-Trichloroethane	7.722	97	86325	48.613	ug/l	99
36) 1,1-Dichloropropene	7.935	75	77643	43.863	ug/l	99
37) Ethyl Acetate	7.094	43	37973	46.252	ug/l	99
38) Carbon Tetrachloride	7.923	117	74081	43.710	ug/l	99
39) Methylcyclohexane	9.197	83	91877	44.429	ug/l	98
40) Benzene	8.179	78	230289	45.557	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.332	41	23036	59.221	ug/l	95
42) 1,2-Dichloroethane	8.252	62	62278	46.532	ug/l	100
43) Isopropyl Acetate	8.289	43	72340	49.775	ug/l	98
44) Trichloroethene	8.953	130	56463	44.003	ug/l	96
45) 1,2-Dichloropropane	9.228	63	58294	46.949	ug/l	99
46) Dibromomethane	9.319	93	31433	46.866	ug/l	95
47) Bromodichloromethane	9.508	83	76818	45.765	ug/l	98
48) Methyl methacrylate	9.307	41	34244	50.234	ug/l	98
49) 1,4-Dioxane	9.313	88	6724	921.064	ug/l	95
51) 4-Methyl-2-Pentanone	10.081	43	197656	253.711	ug/l	99
52) Toluene	10.258	92	142732	46.779	ug/l	99
53) t-1,3-Dichloropropene	10.477	75	75434	47.845	ug/l	97
54) cis-1,3-Dichloropropene	9.941	75	88346	46.782	ug/l	95
55) 1,1,2-Trichloroethane	10.654	97	44633	48.911	ug/l	98
56) Ethyl methacrylate	10.520	69	57966	47.380	ug/l	96
57) 1,3-Dichloropropane	10.800	76	74942	47.748	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.794	63	159189	280.019	ug/l	97
59) 2-Hexanone	10.843	43	138014	244.991	ug/l	99
60) Dibromochloromethane	10.996	129	50460	47.136	ug/l	98
61) 1,2-Dibromoethane	11.099	107	40254	47.431	ug/l	99
64) Tetrachloroethene	10.733	164	49536	44.651	ug/l	98
65) Chlorobenzene	11.526	112	147947	44.896	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.599	131	53774	44.903	ug/l	99
67) Ethyl Benzene	11.605	91	279047	46.854	ug/l	100
68) m/p-Xylenes	11.715	106	208804	92.386	ug/l	99
69) o-Xylene	12.038	106	100140	48.113	ug/l	97
70) Styrene	12.056	104	171340	49.963	ug/l	99
71) Bromoform	12.221	173	29661	47.294	ug/l #	99
73) Isopropylbenzene	12.343	105	265750	45.875	ug/l	100
74) N-amyl acetate	12.154	43	66082	50.769	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.593	83	52186	45.803	ug/l	98
76) 1,2,3-Trichloropropane	12.642	75	33692m	46.292	ug/l	
77) Bromobenzene	12.617	156	55660	43.317	ug/l	97
78) n-propylbenzene	12.678	91	325311	45.724	ug/l	100
79) 2-Chlorotoluene	12.770	91	179558	45.906	ug/l	100
80) 1,3,5-Trimethylbenzene	12.824	105	214185	46.490	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.386	75	16111	45.996	ug/l	99
82) 4-Chlorotoluene	12.861	91	183241	45.518	ug/l	100
83) tert-Butylbenzene	13.087	119	186443	47.210	ug/l	98
84) 1,2,4-Trimethylbenzene	13.129	105	214594	47.189	ug/l	100
85) sec-Butylbenzene	13.263	105	283522	45.934	ug/l	100
86) p-Isopropyltoluene	13.379	119	228489	46.324	ug/l	100
87) 1,3-Dichlorobenzene	13.373	146	114034	44.486	ug/l	100
88) 1,4-Dichlorobenzene	13.452	146	111521	44.781	ug/l	98
89) n-Butylbenzene	13.708	91	225189	48.019	ug/l	100
90) Hexachloroethane	13.971	117	44958	44.400	ug/l	95
91) 1,2-Dichlorobenzene	13.751	146	100190	45.913	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.367	75	6996	47.140	ug/l	95
93) 1,2,4-Trichlorobenzene	15.019	180	53154	49.039	ug/l	100
94) Hexachlorobutadiene	15.123	225	27191	42.593	ug/l	100
95) Naphthalene	15.245	128	115029	52.256	ug/l	99
96) 1,2,3-Trichlorobenzene	15.434	180	45782	49.662	ug/l	98

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

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