

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012424\
 Data File : VY017090.D
 Acq On : 24 Jan 2024 12:34
 Operator : SY/MD
 Sample : VSTDICC150
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC150

Quant Time: Jan 25 04:23:26 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y012424S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 25 04:13:31 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 01/25/2024
 Supervised By :Semsettin Yesilyurt 01/25/2024

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	156082	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.704	114	250889	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	216158	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	95758	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.155	65	211212	138.890	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 277.780%#	
35) Dibromofluoromethane	7.734	113	222185	146.732	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 293.460%#	
50) Toluene-d8	10.191	98	868879	151.922	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 303.840%#	
62) 4-Bromofluorobenzene	12.496	95	266959	151.522	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 303.040%#	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.912	85	154922	149.816	ug/l	96
3) Chloromethane	2.119	50	255685	149.707	ug/l	98
4) Vinyl Chloride	2.260	62	310952	147.408	ug/l	99
5) Bromomethane	2.656	94	237657	148.848	ug/l	100
6) Chloroethane	2.802	64	207705	147.521	ug/l	99
7) Trichlorofluoromethane	3.137	101	364631	149.051	ug/l	98
8) Diethyl Ether	3.546	74	116824	129.907	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.918	101	226322	129.637	ug/l	99
10) Methyl Iodide	4.107	142	245554	148.053	ug/l	98
11) Tert butyl alcohol	4.979	59	67830	735.175	ug/l	99
12) 1,1-Dichloroethene	3.887	96	214565	134.262	ug/l	95
13) Acrolein	3.741	56	118067	647.367	ug/l	99
14) Allyl chloride	4.497	41	323539	133.943	ug/l	97
15) Acrylonitrile	5.180	53	249025	638.042	ug/l	99
16) Acetone	3.960	43	241023	741.511	ug/l	97
17) Carbon Disulfide	4.217	76	634810	131.795	ug/l	100
18) Methyl Acetate	4.491	43	204750	131.247	ug/l	98
19) Methyl tert-butyl Ether	5.241	73	533047	136.687	ug/l	100
20) Methylene Chloride	4.741	84	227818	146.435	ug/l	98
21) trans-1,2-Dichloroethene	5.241	96	250211	135.359	ug/l	96
22) Diisopropyl ether	6.137	45	716296	134.343	ug/l	96
23) Vinyl Acetate	6.076	43	1728011	668.119	ug/l	99
24) 1,1-Dichloroethane	6.039	63	423559	130.240	ug/l	99
25) 2-Butanone	7.003	43	337331	737.682	ug/l	98
26) 2,2-Dichloropropane	6.997	77	384572	138.451	ug/l	100
27) cis-1,2-Dichloroethene	7.009	96	280964	137.161	ug/l	99
28) Bromochloromethane	7.350	49	173387	133.919	ug/l	95
29) Tetrahydrofuran	7.362	42	199918	648.318	ug/l	98
30) Chloroform	7.521	83	439139	132.608	ug/l	100
31) Cyclohexane	7.801	56	382267	147.846	ug/l	98
32) 1,1,1-Trichloroethane	7.716	97	391080	137.722	ug/l	99
36) 1,1-Dichloropropene	7.935	75	350621	140.733	ug/l	99
37) Ethyl Acetate	7.088	43	140036	130.721	ug/l	100
38) Carbon Tetrachloride	7.917	117	348284	142.654	ug/l	99
39) Methylcyclohexane	9.197	83	439493	146.667	ug/l	96
40) Benzene	8.173	78	1009720	139.555	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	77651	135.532	ug/l	93
42) 1,2-Dichloroethane	8.252	62	253079	134.919	ug/l	99
43) Isopropyl Acetate	8.289	43	277041	138.529	ug/l	99
44) Trichloroethene	8.953	130	265960	143.319	ug/l	96
45) 1,2-Dichloropropane	9.228	63	243527	137.131	ug/l	99
46) Dibromomethane	9.319	93	128752	136.517	ug/l	99
47) Bromodichloromethane	9.508	83	336214	140.126	ug/l	99
48) Methyl methacrylate	9.307	41	161191	145.166	ug/l	99
49) 1,4-Dioxane	9.313	88	27194	2931.719	ug/l	96
51) 4-Methyl-2-Pentanone	10.081	43	729082	685.336	ug/l	98
52) Toluene	10.258	92	633147	144.578	ug/l	100
53) t-1,3-Dichloropropene	10.478	75	322974	147.351	ug/l	98
54) cis-1,3-Dichloropropene	9.941	75	390314	144.785	ug/l	99
55) 1,1,2-Trichloroethane	10.654	97	178032	135.062	ug/l	98
56) Ethyl methacrylate	10.520	69	173860	150.829	ug/l	99
57) 1,3-Dichloropropane	10.801	76	305090	136.899	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.795	63	663156	828.799	ug/l	99
59) 2-Hexanone	10.843	43	520676	641.537	ug/l	98
60) Dibromochloromethane	10.996	129	217008	141.703	ug/l	99
61) 1,2-Dibromoethane	11.099	107	166958	139.428	ug/l	99
64) Tetrachloroethene	10.734	164	214312	142.242	ug/l	97
65) Chlorobenzene	11.526	112	648825	141.645	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.599	131	243557	145.565	ug/l	99
67) Ethyl Benzene	11.605	91	1235632	148.384	ug/l	99
68) m/p-Xylenes	11.715	106	928974	296.921	ug/l	99
69) o-Xylene	12.038	106	427837	150.541	ug/l	99
70) Styrene	12.057	104	630281	152.764	ug/l	99
71) Bromoform	12.221	173	120134	143.189	ug/l #	97
73) Isopropylbenzene	12.343	105	1141109	144.956	ug/l	99
74) N-amyl acetate	12.154	43	227423	143.327	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.593	83	195551	130.272	ug/l	98
76) 1,2,3-Trichloropropane	12.642	75	156270m	86.328	ug/l	
77) Bromobenzene	12.624	156	246405	144.658	ug/l	96
78) n-propylbenzene	12.685	91	1348468	142.419	ug/l	99
79) 2-Chlorotoluene	12.770	91	733814	141.233	ug/l	99
80) 1,3,5-Trimethylbenzene	12.825	105	901061	144.627	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.392	75	62253	138.660	ug/l	95
82) 4-Chlorotoluene	12.867	91	748427	138.986	ug/l	98
83) tert-Butylbenzene	13.087	119	791311	146.839	ug/l	99
84) 1,2,4-Trimethylbenzene	13.130	105	905203	146.184	ug/l	98
85) sec-Butylbenzene	13.264	105	1143089	143.253	ug/l	99
86) p-Isopropyltoluene	13.380	119	996756	149.960	ug/l	99
87) 1,3-Dichlorobenzene	13.380	146	486070	144.535	ug/l	99
88) 1,4-Dichlorobenzene	13.459	146	458098	138.446	ug/l	99
89) n-Butylbenzene	13.709	91	915674	142.824	ug/l	99
90) Hexachloroethane	13.971	117	194307	140.256	ug/l	96
91) 1,2-Dichlorobenzene	13.751	146	401210	139.700	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.367	75	24880	129.774	ug/l	91
93) 1,2,4-Trichlorobenzene	15.019	180	235687	157.042	ug/l	99
94) Hexachlorobutadiene	15.123	225	127597	141.265	ug/l	99
95) Naphthalene	15.245	128	440123	166.040	ug/l	100
96) 1,2,3-Trichlorobenzene	15.434	180	193823	155.232	ug/l	97

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

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