

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012424\
 Data File : VY017089.D
 Acq On : 24 Jan 2024 12:12
 Operator : SY/MD
 Sample : VSTDICC100
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC100

Quant Time: Jan 25 04:22:24 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	7.807	168	150460	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.703	114	246941	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	213404	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	95503	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.161	65	141904	96.800	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 193.600%#			
35) Dibromofluoromethane	7.734	113	148013	99.311	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 198.620%#			
50) Toluene-d8	10.191	98	568301	100.955	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 201.920%#			
62) 4-Bromofluorobenzene	12.489	95	179344	103.421	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 206.840%#			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.912	85	103243	100.915	ug/l	94
3) Chloromethane	2.125	50	176430	101.009	ug/l	100
4) Vinyl Chloride	2.266	62	213935	103.715	ug/l	99
5) Bromomethane	2.662	94	159566	102.450	ug/l	99
6) Chloroethane	2.808	64	142509	103.846	ug/l	99
7) Trichlorofluoromethane	3.144	101	243340	102.010	ug/l	99
8) Diethyl Ether	3.546	74	83036	95.785	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.918	101	152432	90.575	ug/l	100
10) Methyl Iodide	4.113	142	167208	104.582	ug/l	99
11) Tert butyl alcohol	4.972	59	51698	535.320	ug/l	99
12) 1,1-Dichloroethene	3.893	96	144202	93.605	ug/l	97
13) Acrolein	3.747	56	80326	456.888	ug/l	100
14) Allyl chloride	4.503	41	225711	96.934	ug/l	99
15) Acrylonitrile	5.186	53	186189	494.871	ug/l	100
16) Acetone	3.967	43	179455	523.949	ug/l	97
17) Carbon Disulfide	4.216	76	428727	92.335	ug/l	99
18) Methyl Acetate	4.497	43	154141	102.498	ug/l	100
19) Methyl tert-butyl Ether	5.247	73	377789	100.495	ug/l	100
20) Methylene Chloride	4.741	84	160935	105.463	ug/l	99
21) trans-1,2-Dichloroethene	5.247	96	168972	94.826	ug/l	99
22) Diisopropyl ether	6.137	45	508333	98.901	ug/l	97
23) Vinyl Acetate	6.082	43	1251243	501.858	ug/l	99
24) 1,1-Dichloroethane	6.039	63	294262	93.863	ug/l	99
25) 2-Butanone	7.003	43	255475	530.629	ug/l	96
26) 2,2-Dichloropropane	7.003	77	255183	95.302	ug/l	100
27) cis-1,2-Dichloroethene	7.003	96	194817	98.659	ug/l	98
28) Bromochloromethane	7.350	49	121949	97.709	ug/l	96
29) Tetrahydrofuran	7.362	42	152065	511.560	ug/l	99
30) Chloroform	7.527	83	301097	94.321	ug/l	99
31) Cyclohexane	7.801	56	259952	103.307	ug/l	100
32) 1,1,1-Trichloroethane	7.722	97	263242	96.167	ug/l	99
36) 1,1-Dichloropropene	7.935	75	238265	97.165	ug/l	100
37) Ethyl Acetate	7.094	43	103689	98.339	ug/l	99
38) Carbon Tetrachloride	7.917	117	234242	97.477	ug/l	99
39) Methylcyclohexane	9.197	83	300456	101.871	ug/l	97
40) Benzene	8.179	78	695935	97.724	ug/l	100

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	55050	97.620	ug/l	90
42) 1,2-Dichloroethane	8.252	62	181038	98.056	ug/l	99
43) Isopropyl Acetate	8.289	43	204589	103.936	ug/l	99
44) Trichloroethene	8.953	130	179866	98.475	ug/l	97
45) 1,2-Dichloropropane	9.228	63	169879	97.189	ug/l	99
46) Dibromomethane	9.319	93	91611	98.689	ug/l	99
47) Bromodichloromethane	9.508	83	232354	98.388	ug/l	96
48) Methyl methacrylate	9.307	41	118987	108.871	ug/l	99
49) 1,4-Dioxane	9.313	88	19675	2155.026	ug/l	98
51) 4-Methyl-2-Pentanone	10.081	43	551033	526.251	ug/l	99
52) Toluene	10.258	92	434655	100.840	ug/l	100
53) t-1,3-Dichloropropene	10.478	75	226445	104.963	ug/l	100
54) cis-1,3-Dichloropropene	9.941	75	268751	101.286	ug/l	98
55) 1,1,2-Trichloroethane	10.654	97	128882	99.338	ug/l	99
56) Ethyl methacrylate	10.520	69	127822	112.663	ug/l	99
57) 1,3-Dichloropropane	10.801	76	216826	98.849	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.795	63	419261	532.361	ug/l	99
59) 2-Hexanone	10.843	43	393494	492.584	ug/l	98
60) Dibromochloromethane	10.996	129	152629	101.258	ug/l	98
61) 1,2-Dibromoethane	11.099	107	120199	101.984	ug/l	99
64) Tetrachloroethene	10.734	164	144829	97.366	ug/l	97
65) Chlorobenzene	11.526	112	445034	98.409	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.599	131	166770	100.959	ug/l	99
67) Ethyl Benzene	11.605	91	843870	102.646	ug/l	99
68) m/p-Xylenes	11.715	106	632225	204.681	ug/l	99
69) o-Xylene	12.038	106	292098	104.105	ug/l	99
70) Styrene	12.057	104	433332	106.384	ug/l	99
71) Bromoform	12.215	173	86743	104.724	ug/l #	97
73) Isopropylbenzene	12.337	105	780370	99.396	ug/l	99
74) N-amyl acetate	12.154	43	169055	106.827	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.593	83	145630	97.275	ug/l	98
76) 1,2,3-Trichloropropane	12.642	75	112865m	62.516	ug/l	
77) Bromobenzene	12.617	156	169550	99.804	ug/l	97
78) n-propylbenzene	12.678	91	943801	99.946	ug/l	99
79) 2-Chlorotoluene	12.770	91	509860	98.392	ug/l	99
80) 1,3,5-Trimethylbenzene	12.819	105	623917	100.411	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.386	75	45499	101.613	ug/l	96
82) 4-Chlorotoluene	12.861	91	522192	97.232	ug/l	99
83) tert-Butylbenzene	13.081	119	552776	102.849	ug/l	100
84) 1,2,4-Trimethylbenzene	13.130	105	624356	101.098	ug/l	99
85) sec-Butylbenzene	13.264	105	787266	98.924	ug/l	98
86) p-Isopropyltoluene	13.379	119	678446	102.343	ug/l	99
87) 1,3-Dichlorobenzene	13.373	146	333326	99.380	ug/l	99
88) 1,4-Dichlorobenzene	13.453	146	318480	96.508	ug/l	100
89) n-Butylbenzene	13.703	91	644979	100.871	ug/l	99
90) Hexachloroethane	13.971	117	133683	96.753	ug/l	97
91) 1,2-Dichlorobenzene	13.751	146	281338	98.222	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.367	75	18845	98.558	ug/l	94
93) 1,2,4-Trichlorobenzene	15.013	180	156861	104.798	ug/l	99
94) Hexachlorobutadiene	15.123	225	86646	96.183	ug/l	99
95) Naphthalene	15.245	128	305537	115.574	ug/l	100
96) 1,2,3-Trichlorobenzene	15.434	180	130590	104.868	ug/l	98

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

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