

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031524\
 Data File : VY017664.D
 Acq On : 15 Mar 2024 10:10
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 03/18/2024
 Supervised By :Semsettin Yesilyurt 03/18/2024

Quant Time: Mar 18 08:56:27 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

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	177810	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	268816	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	234622	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	115898	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	65002	38.573	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	77.140%		
35) Dibromofluoromethane	7.716	113	78093	41.690	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	83.380%		
50) Toluene-d8	10.179	98	287345	43.874	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	87.740%		
62) 4-Bromofluorobenzene	12.483	95	91955	44.675	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	89.360%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	54147	41.282	ug/l	100
3) Chloromethane	2.113	50	103614	43.235	ug/l	99
4) Vinyl Chloride	2.247	62	142333	46.295	ug/l	99
5) Bromomethane	2.650	94	112807	45.024	ug/l	99
6) Chloroethane	2.790	64	96002	49.498	ug/l	99
7) Trichlorofluoromethane	3.119	101	144793	46.208	ug/l	95
8) Diethyl Ether	3.528	74	44281	48.181	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.893	101	87329	48.452	ug/l	97
10) Methyl Iodide	4.089	142	110680	54.718	ug/l	99
11) Tert butyl alcohol	4.954	59	27440	191.695	ug/l #	83
12) 1,1-Dichloroethene	3.869	96	82304	48.999	ug/l	98
13) Acrolein	3.723	56	18381	97.319	ug/l	97
14) Allyl chloride	4.473	41	99440	48.995	ug/l	97
15) Acrylonitrile	5.162	53	91342	241.772	ug/l	100
16) Acetone	3.942	43	83645	255.910	ug/l	96
17) Carbon Disulfide	4.192	76	236389	46.886	ug/l	99
18) Methyl Acetate	4.473	43	42510	53.609	ug/l	99
19) Methyl tert-butyl Ether	5.216	73	195515	49.939	ug/l	97
20) Methylene Chloride	4.710	84	95463	49.676	ug/l	96
21) trans-1,2-Dichloroethene	5.216	96	98158	49.910	ug/l	97
22) Diisopropyl ether	6.119	45	236018	50.394	ug/l	98
23) Vinyl Acetate	6.058	43	692592	248.168	ug/l	99
24) 1,1-Dichloroethane	6.015	63	157821	49.325	ug/l	99
25) 2-Butanone	6.984	43	114092	244.934	ug/l	99
26) 2,2-Dichloropropane	6.978	77	138743	51.575	ug/l	98
27) cis-1,2-Dichloroethene	6.984	96	111309	50.408	ug/l	98
28) Bromochloromethane	7.332	49	63248	50.192	ug/l	92
29) Tetrahydrofuran	7.344	42	68408	243.625	ug/l	98
30) Chloroform	7.503	83	169464	49.746	ug/l	100
31) Cyclohexane	7.783	56	131376	47.905	ug/l	97
32) 1,1,1-Trichloroethane	7.704	97	148666	50.267	ug/l	98
36) 1,1-Dichloropropene	7.917	75	129111	51.086	ug/l	99
37) Ethyl Acetate	7.070	43	47160	47.245	ug/l #	96
38) Carbon Tetrachloride	7.899	117	134118	52.949	ug/l	100
39) Methylcyclohexane	9.185	83	161792	53.268	ug/l	98
40) Benzene	8.161	78	386612	51.510	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	25514m	50.935	ug/l	
42) 1,2-Dichloroethane	8.234	62	91754	50.105	ug/l	98
43) Isopropyl Acetate	8.271	43	87881	50.100	ug/l	98
44) Trichloroethene	8.941	130	110991	51.306	ug/l	100
45) 1,2-Dichloropropane	9.216	63	91438	51.206	ug/l	99
46) Dibromomethane	9.307	93	51807	50.694	ug/l	96
47) Bromodichloromethane	9.496	83	129686	52.264	ug/l	98
48) Methyl methacrylate	9.295	41	41307	50.875	ug/l	96
49) 1,4-Dioxane	9.295	88	11773	1017.935	ug/l #	99
51) 4-Methyl-2-Pentanone	10.069	43	243932	249.516	ug/l	98
52) Toluene	10.246	92	250570	52.957	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	121431	52.724	ug/l	96
54) cis-1,3-Dichloropropene	9.929	75	146296	52.276	ug/l	97
55) 1,1,2-Trichloroethane	10.642	97	74131	51.090	ug/l	97
56) Ethyl methacrylate	10.508	69	86921	48.761	ug/l	97
57) 1,3-Dichloropropane	10.789	76	119574	50.686	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.783	63	179420	214.287	ug/l	98
59) 2-Hexanone	10.831	43	175818	261.826	ug/l	98
60) Dibromochloromethane	10.984	129	90669	52.821	ug/l	99
61) 1,2-Dibromoethane	11.087	107	69155	51.719	ug/l	99
64) Tetrachloroethene	10.721	164	113716	50.497	ug/l	99
65) Chlorobenzene	11.520	112	265356	53.284	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	99644	53.409	ug/l	99
67) Ethyl Benzene	11.593	91	478638	54.803	ug/l	98
68) m/p-Xylenes	11.703	106	379894	110.697	ug/l	98
69) o-Xylene	12.032	106	175568	55.144	ug/l	99
70) Styrene	12.044	104	296954	56.190	ug/l	98
71) Bromoform	12.209	173	56303	54.459	ug/l #	97
73) Isopropylbenzene	12.331	105	465316	54.041	ug/l	99
74) N-amyl acetate	12.142	43	76876	50.621	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.581	83	78593	53.154	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	47056m	42.731	ug/l	
77) Bromobenzene	12.611	156	109942	52.725	ug/l	94
78) n-propylbenzene	12.672	91	560288	54.230	ug/l	98
79) 2-Chlorotoluene	12.758	91	305397	52.796	ug/l	98
80) 1,3,5-Trimethylbenzene	12.813	105	376615	54.595	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	24292	50.688	ug/l	97
82) 4-Chlorotoluene	12.855	91	308751	52.185	ug/l	97
83) tert-Butylbenzene	13.075	119	330378	54.539	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	373680	54.869	ug/l	99
85) sec-Butylbenzene	13.258	105	508990	54.958	ug/l	99
86) p-Isopropyltoluene	13.373	119	426694	56.281	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	221198	52.850	ug/l	98
88) 1,4-Dichlorobenzene	13.447	146	215979	53.078	ug/l	98
89) n-Butylbenzene	13.697	91	389670	56.334	ug/l	100
90) Hexachloroethane	13.965	117	81790	53.811	ug/l	95
91) 1,2-Dichlorobenzene	13.739	146	188404	53.217	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	10334	49.715	ug/l	98
93) 1,2,4-Trichlorobenzene	15.007	180	106492	56.948	ug/l	99
94) Hexachlorobutadiene	15.117	225	65452	56.691	ug/l	98
95) Naphthalene	15.239	128	179405	49.551	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	89272	55.649	ug/l	99

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

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