

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031524\
 Data File : VY017685.D
 Acq On : 15 Mar 2024 20:06
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

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

Quant Time: Mar 16 00:21:38 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	7.795	168	156203	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	246057	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	219926	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	106917	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	63096	42.621	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	85.240%		
35) Dibromofluoromethane	7.716	113	76435	44.579	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	89.160%		
50) Toluene-d8	10.185	98	272325	45.426	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	90.860%		
62) 4-Bromofluorobenzene	12.483	95	87936	46.674	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	93.340%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.900	85	51470	44.669	ug/l	99
3) Chloromethane	2.113	50	95858	45.532	ug/l	96
4) Vinyl Chloride	2.247	62	127501	47.207	ug/l	99
5) Bromomethane	2.649	94	110608	50.253	ug/l	99
6) Chloroethane	2.790	64	88546	51.969	ug/l	99
7) Trichlorofluoromethane	3.125	101	134212	48.756	ug/l	99
8) Diethyl Ether	3.527	74	45542	56.408	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.893	101	84759	53.531	ug/l	98
10) Methyl Iodide	4.094	142	100229	56.405	ug/l	98
11) Tert butyl alcohol	4.948	59	28780	228.868	ug/l #	82
12) 1,1-Dichloroethene	3.869	96	79313	53.750	ug/l	98
13) Acrolein	3.728	56	20074	120.984	ug/l	99
14) Allyl chloride	4.478	41	97181	54.506	ug/l	96
15) Acrylonitrile	5.161	53	96877	291.892	ug/l	100
16) Acetone	3.948	43	70496	245.516	ug/l	96
17) Carbon Disulfide	4.192	76	226597	51.161	ug/l	97
18) Methyl Acetate	4.478	43	48205	69.200	ug/l	99
19) Methyl tert-butyl Ether	5.222	73	197186	57.333	ug/l	98
20) Methylene Chloride	4.716	84	97040	58.448	ug/l	96
21) trans-1,2-Dichloroethene	5.222	96	96681	55.959	ug/l	95
22) Diisopropyl ether	6.118	45	235252	57.179	ug/l	96
23) Vinyl Acetate	6.057	43	686494	280.009	ug/l	100
24) 1,1-Dichloroethane	6.015	63	156811	55.788	ug/l	100
25) 2-Butanone	6.984	43	111477	272.425	ug/l	96
26) 2,2-Dichloropropane	6.984	77	121976	51.614	ug/l	97
27) cis-1,2-Dichloroethene	6.984	96	112067	57.771	ug/l	96
28) Bromochloromethane	7.332	49	49690	44.887	ug/l	93
29) Tetrahydrofuran	7.350	42	73121	296.432	ug/l	99
30) Chloroform	7.508	83	169643	56.687	ug/l	100
31) Cyclohexane	7.789	56	121129	50.278	ug/l	97
32) 1,1,1-Trichloroethane	7.703	97	141795	54.576	ug/l	98
36) 1,1-Dichloropropene	7.923	75	124063	53.629	ug/l	99
37) Ethyl Acetate	7.075	43	48993	53.621	ug/l #	95
38) Carbon Tetrachloride	7.905	117	128781	55.545	ug/l	99
39) Methylcyclohexane	9.185	83	151381	54.450	ug/l	99
40) Benzene	8.167	78	383369	55.803	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	28179	61.458	ug/l	93
42) 1,2-Dichloroethane	8.240	62	92696	55.301	ug/l	98
43) Isopropyl Acetate	8.276	43	91198	56.800	ug/l	99
44) Trichloroethene	8.941	130	109456	55.276	ug/l	97
45) 1,2-Dichloropropane	9.221	63	91880	56.213	ug/l	99
46) Dibromomethane	9.307	93	53612	57.313	ug/l	95
47) Bromodichloromethane	9.502	83	130898	57.632	ug/l	98
48) Methyl methacrylate	9.295	41	41733	56.153	ug/l	91
49) 1,4-Dioxane	9.301	88	12247	1156.863	ug/l #	95
51) 4-Methyl-2-Pentanone	10.075	43	260857	291.509	ug/l	97
52) Toluene	10.246	92	243288	56.174	ug/l	99
53) t-1,3-Dichloropropene	10.471	75	120306	57.067	ug/l	95
54) cis-1,3-Dichloropropene	9.935	75	144627	56.460	ug/l	96
55) 1,1,2-Trichloroethane	10.648	97	76505	57.603	ug/l	98
56) Ethyl methacrylate	10.514	69	89817	54.719	ug/l	97
57) 1,3-Dichloropropane	10.794	76	124800	57.795	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.788	63	169450	221.099	ug/l	97
59) 2-Hexanone	10.837	43	177161	288.229	ug/l	97
60) Dibromochloromethane	10.989	129	94228	59.972	ug/l	98
61) 1,2-Dibromoethane	11.093	107	71787	58.653	ug/l	99
64) Tetrachloroethene	10.721	164	117778	55.795	ug/l	97
65) Chlorobenzene	11.520	112	263655	56.480	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	99737	57.031	ug/l	99
67) Ethyl Benzene	11.593	91	469057	57.295	ug/l	97
68) m/p-Xylenes	11.703	106	370041	115.031	ug/l	98
69) o-Xylene	12.032	106	175342	58.753	ug/l	98
70) Styrene	12.050	104	293459	59.239	ug/l	97
71) Bromoform	12.209	173	59544	61.442	ug/l #	99
73) Isopropylbenzene	12.331	105	451092	56.789	ug/l	99
74) N-amyl acetate	12.148	43	77465	55.294	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.587	83	80038	58.678	ug/l	99
76) 1,2,3-Trichloropropane	12.635	75	64460m	63.453	ug/l	
77) Bromobenzene	12.611	156	110807	57.604	ug/l	93
78) n-propylbenzene	12.672	91	540123	56.670	ug/l	99
79) 2-Chlorotoluene	12.757	91	295274	55.334	ug/l	98
80) 1,3,5-Trimethylbenzene	12.818	105	365099	57.371	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.379	75	24069	54.441	ug/l	97
82) 4-Chlorotoluene	12.861	91	297848	54.571	ug/l	96
83) tert-Butylbenzene	13.080	119	325312	58.214	ug/l	97
84) 1,2,4-Trimethylbenzene	13.123	105	359781	57.266	ug/l	99
85) sec-Butylbenzene	13.257	105	487228	57.027	ug/l	99
86) p-Isopropyltoluene	13.373	119	402274	57.517	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	215149	55.722	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	210494	56.075	ug/l	98
89) n-Butylbenzene	13.696	91	353907	55.462	ug/l	99
90) Hexachloroethane	13.964	117	79124	56.430	ug/l	93
91) 1,2-Dichlorobenzene	13.739	146	185969	56.942	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	10410	54.287	ug/l	94
93) 1,2,4-Trichlorobenzene	15.013	180	98766	57.253	ug/l	100
94) Hexachlorobutadiene	15.117	225	58910	55.311	ug/l	98
95) Naphthalene	15.239	128	178282	53.075	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	83712	56.566	ug/l	99

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

