

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082422\
 Data File : VY010194.D
 Acq On : 24 Aug 2022 13:43
 Operator : KP/MD
 Sample : VSTDICCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By : Mahesh Dadoda 08/26/2022
 Supervised By : Semsettin Yesilyurt 08/27/2022

Quant Time: Aug 25 01:52:14 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082422S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 25 01:46:44 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	208491	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	321209	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	304304	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	159002	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	89575	49.745	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.500%		
35) Dibromofluoromethane	7.710	113	101950	54.853	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	109.700%		
50) Toluene-d8	10.179	98	337619	52.513	ug/l	0.00
Spiked Amount 50.000	Range 78 - 125		Recovery =	105.020%		
62) 4-Bromofluorobenzene	12.483	95	138306	55.907	ug/l	0.00
Spiked Amount 50.000	Range 50 - 146		Recovery =	111.820%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	71069	44.865	ug/l	99
3) Chloromethane	2.107	50	86721	55.306	ug/l	96
4) Vinyl Chloride	2.241	62	95793	55.891	ug/l	99
5) Bromomethane	2.644	94	76102	55.413	ug/l	99
6) Chloroethane	2.784	64	63991	52.511	ug/l	96
7) Trichlorofluoromethane	3.119	101	144847	75.727	ug/l	90
8) Diethyl Ether	3.521	74	61905	54.831	ug/l	90
9) 1,1,2-Trichlorotrifluo...	3.887	101	108783	56.162	ug/l	94
10) Methyl Iodide	4.082	142	125946	58.847	ug/l #	88
11) Tert butyl alcohol	4.948	59	53253	222.631	ug/l	97
12) 1,1-Dichloroethene	3.863	96	100519	57.956	ug/l	85
13) Acrolein	3.723	56	14969	190.404	ug/l	97
14) Allyl chloride	4.466	41	177508	58.122	ug/l	88
15) Acrylonitrile	5.149	53	164181	270.251	ug/l	97
16) Acetone	3.936	43	151639	303.242	ug/l #	89
17) Carbon Disulfide	4.180	76	281489	63.490	ug/l	100
18) Methyl Acetate	4.466	43	79422	46.342	ug/l	92
19) Methyl tert-butyl Ether	5.210	73	287721	56.198	ug/l	98
20) Methylene Chloride	4.704	84	135958	41.454	ug/l	86
21) trans-1,2-Dichloroethene	5.210	96	118540	58.975	ug/l	86
22) Diisopropyl ether	6.106	45	386379	56.724	ug/l	93
23) Vinyl Acetate	6.051	43	1199224	298.916	ug/l #	95
24) 1,1-Dichloroethane	6.003	63	215854	55.765	ug/l	99
25) 2-Butanone	6.978	43	222600	267.480	ug/l #	90
26) 2,2-Dichloropropane	6.972	77	194149	54.614	ug/l	95
27) cis-1,2-Dichloroethene	6.978	96	140959	58.220	ug/l	87
28) Bromochloromethane	7.326	49	71325	54.971	ug/l	87
29) Tetrahydrofuran	7.338	42	139342	275.192	ug/l	91
30) Chloroform	7.496	83	220202	54.887	ug/l	98
31) Cyclohexane	7.777	56	186624	58.751	ug/l	96
32) 1,1,1-Trichloroethane	7.691	97	195054	57.880	ug/l	96
36) 1,1-Dichloropropene	7.911	75	167111	60.299	ug/l	97
37) Ethyl Acetate	7.070	43	94731	53.858	ug/l #	94
38) Carbon Tetrachloride	7.893	117	173252	59.116	ug/l	98
39) Methylcyclohexane	9.179	83	201404	65.194	ug/l	91
40) Benzene	8.155	78	493627	58.313	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.301	41	43614m	31.331	ug/l	
42) 1,2-Dichloroethane	8.228	62	131728	56.086	ug/l	90
43) Isopropyl Acetate	8.265	43	172458	56.145	ug/l #	92
44) Trichloroethene	8.935	130	135490	57.993	ug/l	98
45) 1,2-Dichloropropane	9.209	63	126497	56.926	ug/l	96
46) Dibromomethane	9.301	93	69886	57.027	ug/l	98
47) Bromodichloromethane	9.496	83	168438	55.868	ug/l	97
48) Methyl methacrylate	9.289	41	76066	57.455	ug/l #	84
49) 1,4-Dioxane	9.289	88	15432	1082.745	ug/l	87
51) 4-Methyl-2-Pentanone	10.069	43	469429	279.068	ug/l	91
52) Toluene	10.240	92	318177	59.914	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	176542	58.956	ug/l	100
54) cis-1,3-Dichloropropene	9.923	75	203098	58.572	ug/l #	85
55) 1,1,2-Trichloroethane	10.642	97	100985	54.403	ug/l	97
56) Ethyl methacrylate	10.508	69	136562	59.930	ug/l #	80
57) 1,3-Dichloropropane	10.788	76	170431	56.521	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.783	63	213113	233.766	ug/l	96
59) 2-Hexanone	10.831	43	330290	290.053	ug/l	88
60) Dibromochloromethane	10.984	129	122177	55.775	ug/l	100
61) 1,2-Dibromoethane	11.087	107	96087	56.162	ug/l	100
64) Tetrachloroethene	10.715	164	129695	57.897	ug/l	98
65) Chlorobenzene	11.514	112	343203	57.953	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	127357	56.482	ug/l	97
67) Ethyl Benzene	11.593	91	618529	60.565	ug/l	98
68) m/p-Xylenes	11.703	106	480713	122.544	ug/l	93
69) o-Xylene	12.026	106	225454	60.261	ug/l	95
70) Styrene	12.044	104	387124	60.430	ug/l	95
71) Bromoform	12.209	173	78074	54.976	ug/l #	100
73) Isopropylbenzene	12.331	105	610271	62.075	ug/l	100
74) N-amyl acetate	12.142	43	154595	57.649	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.581	83	117031	54.533	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	88429m	36.665	ug/l	
77) Bromobenzene	12.611	156	142107	58.763	ug/l	95
78) n-propylbenzene	12.672	91	754048	61.694	ug/l	99
79) 2-Chlorotoluene	12.758	91	412725	60.039	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	508477	60.918	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	42500	57.925	ug/l #	83
82) 4-Chlorotoluene	12.855	91	428508	59.662	ug/l	98
83) tert-Butylbenzene	13.075	119	442525	61.645	ug/l	93
84) 1,2,4-Trimethylbenzene	13.117	105	502916	60.888	ug/l	97
85) sec-Butylbenzene	13.251	105	678160	62.039	ug/l	99
86) p-Isopropyltoluene	13.367	119	561384	62.918	ug/l	97
87) 1,3-Dichlorobenzene	13.367	146	282080	57.331	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	279245	56.337	ug/l	99
89) n-Butylbenzene	13.696	91	530683	62.008	ug/l	99
90) Hexachloroethane	13.959	117	107009	57.094	ug/l	91
91) 1,2-Dichlorobenzene	13.739	146	249497	56.724	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	17254	58.107	ug/l	71
93) 1,2,4-Trichlorobenzene	15.007	180	154839	74.466	ug/l	99
94) Hexachlorobutadiene	15.111	225	90578	72.216	ug/l	99
95) Naphthalene	15.233	128	303414	74.117	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	131948	71.552	ug/l	99

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

