

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081422\
 Data File : VY010002.D
 Acq On : 14 Aug 2022 16:28
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Krupa
 Patel

08/15/2022
 Supervised By :Mahesh
 Dadoda

Quant Time: Aug 15 00:39:17 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081222S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 13 02:54:57 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	104500	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	169460	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	152999	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	75236	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	50747	47.872	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.740%
35) Dibromofluoromethane	7.710	113	54632	52.674	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	105.340%
50) Toluene-d8	10.179	98	209173	52.635	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	105.260%
62) 4-Bromofluorobenzene	12.477	95	74745	51.335	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	102.660%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.900	85	44525	47.461	ug/l	99
3) Chloromethane	2.107	50	30370	44.073	ug/l	97
4) Vinyl Chloride	2.247	62	33549	46.207	ug/l	98
5) Bromomethane	2.644	94	26010	51.236	ug/l	100
6) Chloroethane	2.784	64	21165	44.092	ug/l	95
7) Trichlorofluoromethane	3.119	101	83023	46.159	ug/l	100
8) Diethyl Ether	3.521	74	30490	45.033	ug/l	81
9) 1,1,2-Trichlorotrifluo...	3.887	101	53383	46.187	ug/l	96
10) Methyl Iodide	4.082	142	67102	48.532	ug/l	98
11) Tert butyl alcohol	4.942	59	20646	196.177	ug/l	97
12) 1,1-Dichloroethene	3.863	96	50957	45.409	ug/l	89
13) Acrolein	3.716	56	24632	180.590	ug/l	99
14) Allyl chloride	4.466	41	65113	41.619	ug/l #	93
15) Acrylonitrile	5.155	53	70036	216.117	ug/l	98
16) Acetone	3.936	43	66411	260.853	ug/l #	84
17) Carbon Disulfide	4.180	76	168330	46.091	ug/l	100
18) Methyl Acetate	4.466	43	29371	41.439	ug/l #	85
19) Methyl tert-butyl Ether	5.210	73	128777	46.963	ug/l	93
20) Methylene Chloride	4.704	84	66089	49.672	ug/l #	85
21) trans-1,2-Dichloroethene	5.204	96	60212	48.282	ug/l	93
22) Diisopropyl ether	6.106	45	136372	43.115	ug/l #	95
23) Vinyl Acetate	6.045	43	430070	220.054	ug/l #	93
24) 1,1-Dichloroethane	6.009	63	92983	46.068	ug/l	98
25) 2-Butanone	6.978	43	83516	211.404	ug/l #	88
26) 2,2-Dichloropropane	6.966	77	82807	46.288	ug/l	96
27) cis-1,2-Dichloroethene	6.978	96	64962	48.491	ug/l	91
28) Bromochloromethane	7.326	49	35966	44.614	ug/l #	73
29) Tetrahydrofuran	7.338	42	49861	199.707	ug/l #	82
30) Chloroform	7.496	83	101322	48.547	ug/l	98
31) Cyclohexane	7.777	56	81928	43.178	ug/l	88
32) 1,1,1-Trichloroethane	7.691	97	87840	49.531	ug/l	98
36) 1,1-Dichloropropene	7.911	75	76241	49.365	ug/l	98
37) Ethyl Acetate	7.063	43	33784	40.531	ug/l #	93
38) Carbon Tetrachloride	7.893	117	80771	52.406	ug/l	98
39) Methylcyclohexane	9.179	83	93887	50.486	ug/l	98
40) Benzene	8.155	78	230124	49.237	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	21729m	49.078	ug/l	
42) 1,2-Dichloroethane	8.228	62	59933	49.503	ug/l	97
43) Isopropyl Acetate	8.264	43	61527	42.525	ug/l #	89
44) Trichloroethene	8.935	130	64607	51.046	ug/l	94
45) 1,2-Dichloropropane	9.209	63	53102	47.352	ug/l	97
46) Dibromomethane	9.301	93	33786	50.042	ug/l	99
47) Bromodichloromethane	9.490	83	75775	50.484	ug/l	97
48) Methyl methacrylate	9.289	41	27922	43.983	ug/l #	87
49) 1,4-Dioxane	9.289	88	7975	945.536	ug/l #	90
51) 4-Methyl-2-Pentanone	10.069	43	168487	214.789	ug/l	92
52) Toluene	10.240	92	145013	51.522	ug/l	99
53) t-1,3-Dichloropropene	10.459	75	76167	49.377	ug/l	98
54) cis-1,3-Dichloropropene	9.923	75	90271	50.612	ug/l	94
55) 1,1,2-Trichloroethane	10.642	97	47467	49.158	ug/l	98
56) Ethyl methacrylate	10.508	69	59285	49.657	ug/l	88
57) 1,3-Dichloropropane	10.788	76	76324	48.730	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.776	63	109945	210.393	ug/l	94
59) 2-Hexanone	10.831	43	125083	231.084	ug/l	90
60) Dibromochloromethane	10.983	129	56802	51.507	ug/l	99
61) 1,2-Dibromoethane	11.087	107	46719	50.517	ug/l	100
64) Tetrachloroethene	10.715	164	58139	52.015	ug/l	96
65) Chlorobenzene	11.514	112	157691	50.776	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	56901	51.433	ug/l	97
67) Ethyl Benzene	11.593	91	271280	51.953	ug/l	98
68) m/p-Xylenes	11.703	106	211911	104.843	ug/l	95
69) o-Xylene	12.026	106	99708	52.016	ug/l	97
70) Styrene	12.044	104	172158	52.725	ug/l	99
71) Bromoform	12.209	173	35082	50.198	ug/l #	100
73) Isopropylbenzene	12.331	105	262201	51.926	ug/l	99
74) N-amyl acetate	12.142	43	56352	43.626	ug/l	90
75) 1,1,2,2-Tetrachloroethane	12.581	83	53099	45.560	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	39400m	45.318	ug/l	
77) Bromobenzene	12.605	156	62692	51.321	ug/l	95
78) n-propylbenzene	12.672	91	324659	51.229	ug/l	99
79) 2-Chlorotoluene	12.758	91	186611	51.839	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	222954	54.040	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.373	75	18728	46.826	ug/l	92
82) 4-Chlorotoluene	12.855	91	195775	52.207	ug/l	98
83) tert-Butylbenzene	13.075	119	189770	52.329	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	225342	54.392	ug/l	98
85) sec-Butylbenzene	13.251	105	287680	51.779	ug/l	99
86) p-Isopropyltoluene	13.367	119	236043	53.822	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	122257	50.774	ug/l	97
88) 1,4-Dichlorobenzene	13.446	146	125989	50.332	ug/l	99
89) n-Butylbenzene	13.696	91	225651	53.290	ug/l	98
90) Hexachloroethane	13.959	117	47733	50.754	ug/l	91
91) 1,2-Dichlorobenzene	13.739	146	111589	51.522	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	7963	42.541	ug/l	94
93) 1,2,4-Trichlorobenzene	15.007	180	65028	52.769	ug/l	99
94) Hexachlorobutadiene	15.111	225	37697	54.169	ug/l	99
95) Naphthalene	15.239	128	139320	47.073	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	58206	52.811	ug/l	98

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

