

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102422\
 Data File : VY011083.D
 Acq On : 24 Oct 2022 20:30
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Krupa
 Patel

10/25/2022
 Supervised By :Mahesh
 Dadoda

Quant Time: Oct 25 05:48:37 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y101722S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 18 01:42:42 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	225624	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	364914	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	333738	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	171534	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	94145	45.298	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	90.600%
35) Dibromofluoromethane	7.710	113	98849	48.532	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.060%
50) Toluene-d8	10.179	98	336453	44.157	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	88.320%
62) 4-Bromofluorobenzene	12.477	95	129205	47.732	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	95.460%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.900	85	64956	43.403	ug/l	99
3) Chloromethane	2.113	50	91845	42.776	ug/l	95
4) Vinyl Chloride	2.247	62	105470	43.339	ug/l	99
5) Bromomethane	2.643	94	72640	43.156	ug/l	97
6) Chloroethane	2.790	64	74746	45.962	ug/l	98
7) Trichlorofluoromethane	3.119	101	168278	47.243	ug/l	91
8) Diethyl Ether	3.521	74	67073	50.460	ug/l	84
9) 1,1,2-Trichlorotrifluo...	3.893	101	109222	48.885	ug/l	93
10) Methyl Iodide	4.082	142	130655	47.790	ug/l	91
11) Tert butyl alcohol	4.948	59	56073	238.679	ug/l #	92
12) 1,1-Dichloroethene	3.869	96	100966	47.174	ug/l	84
13) Acrolein	3.723	56	86471	258.083	ug/l	98
14) Allyl chloride	4.472	41	165726	48.827	ug/l #	86
15) Acrylonitrile	5.155	53	187530	270.657	ug/l	98
16) Acetone	3.942	43	135869	225.120	ug/l #	88
17) Carbon Disulfide	4.186	76	248618	39.623	ug/l	99
18) Methyl Acetate	4.472	43	93755	55.532	ug/l #	89
19) Methyl tert-butyl Ether	5.216	73	321295	53.728	ug/l	97
20) Methylene Chloride	4.710	84	161495	63.049	ug/l	84
21) trans-1,2-Dichloroethene	5.216	96	117883	48.787	ug/l	88
22) Diisopropyl ether	6.112	45	400722	55.126	ug/l #	92
23) Vinyl Acetate	6.057	43	1195905	275.119	ug/l #	92
24) 1,1-Dichloroethane	6.009	63	231087	52.653	ug/l	98
25) 2-Butanone	6.978	43	228329	249.463	ug/l #	86
26) 2,2-Dichloropropane	6.978	77	189274	48.564	ug/l	95
27) cis-1,2-Dichloroethene	6.984	96	146243	52.516	ug/l	88
28) Bromochloromethane	7.326	49	86835	55.424	ug/l	89
29) Tetrahydrofuran	7.338	42	149802	266.019	ug/l #	87
30) Chloroform	7.502	83	240886	54.448	ug/l	100
31) Cyclohexane	7.783	56	170530	42.878	ug/l	90
32) 1,1,1-Trichloroethane	7.697	97	198609	51.071	ug/l	96
36) 1,1-Dichloropropene	7.911	75	164475	48.418	ug/l	98
37) Ethyl Acetate	7.069	43	102682	54.596	ug/l #	94
38) Carbon Tetrachloride	7.899	117	176381	50.299	ug/l	100
39) Methylcyclohexane	9.179	83	187489	46.080	ug/l	91
40) Benzene	8.155	78	510532	51.221	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	59524m	58.403	ug/l	
42) 1,2-Dichloroethane	8.234	62	146392	53.007	ug/l	91
43) Isopropyl Acetate	8.271	43	180615	53.750	ug/l #	89
44) Trichloroethene	8.935	130	135316	50.097	ug/l	93
45) 1,2-Dichloropropane	9.209	63	136993	54.170	ug/l	95
46) Dibromomethane	9.301	93	76514	54.246	ug/l	96
47) Bromodichloromethane	9.490	83	189447	55.735	ug/l	98
48) Methyl methacrylate	9.289	41	82916	55.135	ug/l #	79
49) 1,4-Dioxane	9.295	88	23000	1134.917	ug/l #	82
51) 4-Methyl-2-Pentanone	10.069	43	524184	279.712	ug/l	88
52) Toluene	10.240	92	323295	52.211	ug/l	96
53) t-1,3-Dichloropropene	10.459	75	189421	53.643	ug/l	99
54) cis-1,3-Dichloropropene	9.923	75	216056	53.468	ug/l #	82
55) 1,1,2-Trichloroethane	10.642	97	113489	55.773	ug/l	99
56) Ethyl methacrylate	10.508	69	151944	56.222	ug/l #	77
57) 1,3-Dichloropropane	10.788	76	192402	54.994	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.776	63	368966	274.172	ug/l	97
59) 2-Hexanone	10.831	43	354917	275.710	ug/l	85
60) Dibromochloromethane	10.983	129	134453	55.568	ug/l	99
61) 1,2-Dibromoethane	11.087	107	104748	53.755	ug/l	100
64) Tetrachloroethene	10.715	164	131923	50.779	ug/l	96
65) Chlorobenzene	11.514	112	355732	51.918	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	138465	54.598	ug/l	97
67) Ethyl Benzene	11.587	91	627490	51.766	ug/l	99
68) m/p-Xylenes	11.697	106	482820	103.543	ug/l	95
69) o-Xylene	12.026	106	234543	52.971	ug/l	94
70) Styrene	12.038	104	407807	54.356	ug/l	95
71) Bromoform	12.203	173	86410	55.208	ug/l #	99
73) Isopropylbenzene	12.325	105	618469	49.627	ug/l	100
74) N-amyl acetate	12.142	43	161488	51.073	ug/l #	85
75) 1,1,2,2-Tetrachloroethane	12.581	83	133979	51.226	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	94430m	48.489	ug/l	
77) Bromobenzene	12.605	156	146376	50.248	ug/l	99
78) n-propylbenzene	12.666	91	753559	49.699	ug/l	100
79) 2-Chlorotoluene	12.751	91	427681	50.085	ug/l	99
80) 1,3,5-Trimethylbenzene	12.806	105	519499	49.961	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.373	75	45872	50.660	ug/l #	83
82) 4-Chlorotoluene	12.849	91	443444	49.877	ug/l	99
83) tert-Butylbenzene	13.068	119	463884	51.591	ug/l	93
84) 1,2,4-Trimethylbenzene	13.117	105	521638	50.875	ug/l	99
85) sec-Butylbenzene	13.251	105	677405	50.136	ug/l	100
86) p-Isopropyltoluene	13.367	119	565227	50.427	ug/l	98
87) 1,3-Dichlorobenzene	13.361	146	290913	50.039	ug/l	99
88) 1,4-Dichlorobenzene	13.440	146	288417	49.895	ug/l	99
89) n-Butylbenzene	13.690	91	529464	50.549	ug/l	99
90) Hexachloroethane	13.959	117	111153	50.248	ug/l	89
91) 1,2-Dichlorobenzene	13.733	146	267411	51.410	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.349	75	21583	49.910	ug/l	81
93) 1,2,4-Trichlorobenzene	15.001	180	163056	52.451	ug/l	99
94) Hexachlorobutadiene	15.105	225	95132	51.989	ug/l	99
95) Naphthalene	15.233	128	353348	55.812	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	146262	53.930	ug/l	99

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

