

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110422\
 Data File : VY011321.D
 Acq On : 05 Nov 2022 00:19
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Krupa
 Patel

Quant Time: Nov 07 01:57:57 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110122S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 01 11:56:18 2022
 Response via : Initial Calibration

11/07/2022
 Supervised By :Mahesh
 Dadoda

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	213961	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	344296	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	323014	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	166025	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	113434	49.571	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.140%
35) Dibromofluoromethane	7.716	113	115832	52.363	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.720%
50) Toluene-d8	10.179	98	430489	50.123	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	100.240%
62) 4-Bromofluorobenzene	12.477	95	157683	52.885	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	105.760%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.900	85	78876	46.308	ug/l	97
3) Chloromethane	2.113	50	106950	45.079	ug/l	97
4) Vinyl Chloride	2.247	62	120283	45.386	ug/l	99
5) Bromomethane	2.643	94	84401	47.736	ug/l	94
6) Chloroethane	2.790	64	81601	47.916	ug/l	99
7) Trichlorofluoromethane	3.119	101	188974	48.265	ug/l	94
8) Diethyl Ether	3.527	74	73763	52.504	ug/l	80
9) 1,1,2-Trichlorotrifluo...	3.893	101	117690	49.996	ug/l	95
10) Methyl Iodide	4.088	142	156695	51.712	ug/l	91
11) Tert butyl alcohol	4.942	59	67285	288.934	ug/l	97
12) 1,1-Dichloroethene	3.869	96	115878	49.789	ug/l #	80
13) Acrolein	3.722	56	27827	225.788	ug/l	99
14) Allyl chloride	4.472	41	179262	50.849	ug/l #	84
15) Acrylonitrile	5.155	53	192632	273.251	ug/l	97
16) Acetone	3.942	43	131881	190.922	ug/l #	81
17) Carbon Disulfide	4.186	76	363102	47.500	ug/l	99
18) Methyl Acetate	4.472	43	92077	50.350	ug/l #	86
19) Methyl tert-butyl Ether	5.216	73	343161	55.486	ug/l	98
20) Methylene Chloride	4.710	84	185430	67.389	ug/l #	81
21) trans-1,2-Dichloroethene	5.216	96	137674	52.009	ug/l	88
22) Diisopropyl ether	6.112	45	399306	54.630	ug/l #	92
23) Vinyl Acetate	6.057	43	1248798	279.920	ug/l #	91
24) 1,1-Dichloroethane	6.015	63	240092	52.452	ug/l	98
25) 2-Butanone	6.978	43	232084	238.788	ug/l #	84
26) 2,2-Dichloropropane	6.978	77	191637	45.786	ug/l	94
27) cis-1,2-Dichloroethene	6.978	96	157952	54.153	ug/l	87
28) Bromochloromethane	7.332	49	96130	54.673	ug/l #	81
29) Tetrahydrofuran	7.344	42	156518	276.623	ug/l #	83
30) Chloroform	7.502	83	250092	54.097	ug/l	98
31) Cyclohexane	7.783	56	203195	47.908	ug/l	92
32) 1,1,1-Trichloroethane	7.697	97	213692	52.114	ug/l	94
36) 1,1-Dichloropropene	7.917	75	185203	51.268	ug/l	97
37) Ethyl Acetate	7.069	43	104655	53.742	ug/l #	91
38) Carbon Tetrachloride	7.899	117	194894	52.003	ug/l	99
39) Methylcyclohexane	9.179	83	224271	51.030	ug/l	91
40) Benzene	8.155	78	563021	53.030	ug/l	96

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41) Methacrylonitrile	7.307	41	59461m	56.194	ug/l	
42) 1,2-Dichloroethane	8.234	62	158083	54.832	ug/l	91
43) Isopropyl Acetate	8.270	43	186673	54.408	ug/l #	87
44) Trichloroethene	8.935	130	151763	53.413	ug/l	95
45) 1,2-Dichloropropane	9.215	63	142395	54.250	ug/l	98
46) Dibromomethane	9.301	93	81869	55.203	ug/l	97
47) Bromodichloromethane	9.496	83	193452	55.027	ug/l	99
48) Methyl methacrylate	9.289	41	85137	54.024	ug/l #	75
49) 1,4-Dioxane	9.295	88	24137	1209.796	ug/l #	81
51) 4-Methyl-2-Pentanone	10.069	43	527129	282.563	ug/l #	85
52) Toluene	10.240	92	361661	54.937	ug/l	95
53) t-1,3-Dichloropropene	10.459	75	199388	53.853	ug/l	100
54) cis-1,3-Dichloropropene	9.923	75	227206	53.630	ug/l #	82
55) 1,1,2-Trichloroethane	10.642	97	117217	55.148	ug/l	99
56) Ethyl methacrylate	10.508	69	163397	58.198	ug/l #	74
57) 1,3-Dichloropropane	10.788	76	200038	54.983	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.776	63	379814	288.564	ug/l	95
59) 2-Hexanone	10.831	43	367278	275.765	ug/l	83
60) Dibromochloromethane	10.983	129	142740	56.522	ug/l	100
61) 1,2-Dibromoethane	11.087	107	113211	56.103	ug/l	100
64) Tetrachloroethene	10.715	164	153420	55.915	ug/l	97
65) Chlorobenzene	11.514	112	385558	54.103	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	145682	55.520	ug/l	98
67) Ethyl Benzene	11.587	91	682312	53.975	ug/l	100
68) m/p-Xylenes	11.697	106	535541	109.137	ug/l	95
69) o-Xylene	12.026	106	254903	55.416	ug/l	95
70) Styrene	12.038	104	440350	56.471	ug/l	96
71) Bromoform	12.203	173	92515	56.726	ug/l #	99
73) Isopropylbenzene	12.325	105	660276	53.192	ug/l	100
74) N-amyl acetate	12.142	43	169182	54.295	ug/l #	84
75) 1,1,2,2-Tetrachloroethane	12.581	83	136388	53.097	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	95480m	47.239	ug/l	
77) Bromobenzene	12.605	156	159004	54.456	ug/l	98
78) n-propylbenzene	12.666	91	797490	52.503	ug/l	99
79) 2-Chlorotoluene	12.751	91	460812	52.949	ug/l	99
80) 1,3,5-Trimethylbenzene	12.806	105	564174	53.710	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.373	75	47972	50.794	ug/l #	83
82) 4-Chlorotoluene	12.849	91	472866	52.724	ug/l	99
83) tert-Butylbenzene	13.068	119	488638	53.988	ug/l	94
84) 1,2,4-Trimethylbenzene	13.117	105	560627	53.965	ug/l	98
85) sec-Butylbenzene	13.251	105	710079	52.915	ug/l	100
86) p-Isopropyltoluene	13.367	119	599998	53.643	ug/l	98
87) 1,3-Dichlorobenzene	13.361	146	310149	52.973	ug/l	99
88) 1,4-Dichlorobenzene	13.440	146	307698	52.401	ug/l	99
89) n-Butylbenzene	13.690	91	541695	51.864	ug/l	99
90) Hexachloroethane	13.958	117	117186	52.388	ug/l	92
91) 1,2-Dichlorobenzene	13.733	146	284772	54.453	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	23119	52.540	ug/l	81
93) 1,2,4-Trichlorobenzene	15.001	180	169584	53.651	ug/l	99
94) Hexachlorobutadiene	15.105	225	96409	52.383	ug/l	97
95) Naphthalene	15.233	128	373529	50.498	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	153194	55.149	ug/l	99

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

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