

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091922\
 Data File : VY010550.D
 Acq On : 19 Sep 2022 13:24
 Operator : KP/MD
 Sample : VSTDICCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 09/20/2022
 Supervised By :Mahesh Dadoda 09/20/2022

Quant Time: Sep 20 00:39:35 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091922S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 20 00:36:42 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	295904	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	462469	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	415774	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	209952	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	144018	50.885	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.780%			
35) Dibromofluoromethane	7.710	113	138377	46.884	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 93.760%			
50) Toluene-d8	10.173	98	552892	54.999	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 110.000%			
62) 4-Bromofluorobenzene	12.477	95	185596	42.344	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 84.680%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	63945	38.751	ug/l	98
3) Chloromethane	2.107	50	96940	41.936	ug/l	97
4) Vinyl Chloride	2.241	62	126686	43.656	ug/l	97
5) Bromomethane	2.644	94	86367	41.742	ug/l	96
6) Chloroethane	2.784	64	91541	43.916	ug/l	100
7) Trichlorofluoromethane	3.113	101	172356	44.329	ug/l	94
8) Diethyl Ether	3.522	74	61493	46.127	ug/l	77
9) 1,1,2-Trichlorotrifluo...	3.887	101	108069	46.183	ug/l	95
10) Methyl Iodide	4.082	142	125954	46.593	ug/l	92
11) Tert butyl alcohol	4.942	59	56818	197.685	ug/l #	95
12) 1,1-Dichloroethene	3.863	96	93781	44.882	ug/l	86
13) Acrolein	3.723	56	28925	219.696	ug/l	100
14) Allyl chloride	4.473	41	143334	45.501	ug/l #	92
15) Acrylonitrile	5.149	53	160817	232.421	ug/l	98
16) Acetone	3.936	43	144985	251.203	ug/l #	89
17) Carbon Disulfide	4.180	76	191033	40.977	ug/l	99
18) Methyl Acetate	4.466	43	74086	39.568	ug/l #	86
19) Methyl tert-butyl Ether	5.210	73	309211	47.466	ug/l	97
20) Methylene Chloride	4.710	84	154822	33.347	ug/l #	82
21) trans-1,2-Dichloroethene	5.210	96	106401	45.251	ug/l	86
22) Diisopropyl ether	6.113	45	352190	47.362	ug/l #	91
23) Vinyl Acetate	6.052	43	1083079	246.556	ug/l #	92
24) 1,1-Dichloroethane	6.009	63	208084	46.624	ug/l	99
25) 2-Butanone	6.978	43	212724	235.635	ug/l #	84
26) 2,2-Dichloropropane	6.972	77	198589	46.273	ug/l	96
27) cis-1,2-Dichloroethene	6.978	96	136631	46.641	ug/l	87
28) Bromochloromethane	7.326	49	107486	60.412	ug/l #	78
29) Tetrahydrofuran	7.338	42	128659	232.036	ug/l #	82
30) Chloroform	7.503	83	227916	47.203	ug/l	98
31) Cyclohexane	7.777	56	151862	41.598	ug/l	87
32) 1,1,1-Trichloroethane	7.698	97	203170	47.279	ug/l	96
36) 1,1-Dichloropropene	7.911	75	151738	46.141	ug/l	97
37) Ethyl Acetate	7.070	43	90452	47.619	ug/l #	93
38) Carbon Tetrachloride	7.893	117	179479	47.465	ug/l	97
39) Methylcyclohexane	9.179	83	171979	44.681	ug/l	91
40) Benzene	8.155	78	456140	46.527	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	47285m	42.812	ug/l	
42) 1,2-Dichloroethane	8.228	62	142228	47.113	ug/l	92
43) Isopropyl Acetate	8.271	43	166845	47.919	ug/l #	90
44) Trichloroethene	8.935	130	130377	46.456	ug/l	100
45) 1,2-Dichloropropane	9.210	63	119917	47.283	ug/l	96
46) Dibromomethane	9.301	93	70443	47.297	ug/l	98
47) Bromodichloromethane	9.490	83	178214	48.461	ug/l	97
48) Methyl methacrylate	9.289	41	74940	48.757	ug/l #	82
49) 1,4-Dioxane	9.289	88	21133	964.932	ug/l #	80
51) 4-Methyl-2-Pentanone	10.063	43	475918	242.103	ug/l	88
52) Toluene	10.240	92	302537	47.163	ug/l	95
53) t-1,3-Dichloropropene	10.459	75	177482	47.730	ug/l	98
54) cis-1,3-Dichloropropene	9.923	75	199051	48.013	ug/l #	88
55) 1,1,2-Trichloroethane	10.642	97	105068	47.961	ug/l	98
56) Ethyl methacrylate	10.508	69	139994	49.328	ug/l #	80
57) 1,3-Dichloropropane	10.789	76	172729	47.599	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.777	63	395926	276.572	ug/l	94
59) 2-Hexanone	10.831	43	330993	248.419	ug/l	86
60) Dibromochloromethane	10.984	129	130426	48.650	ug/l	98
61) 1,2-Dibromoethane	11.087	107	97393	47.487	ug/l	99
64) Tetrachloroethene	10.715	164	129393	46.588	ug/l	97
65) Chlorobenzene	11.514	112	339948	47.284	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	138388	49.407	ug/l	98
67) Ethyl Benzene	11.587	91	603808	47.827	ug/l	98
68) m/p-Xylenes	11.697	106	463920	94.856	ug/l	94
69) o-Xylene	12.026	106	228702	47.963	ug/l	93
70) Styrene	12.038	104	391505	48.332	ug/l	96
71) Bromoform	12.203	173	84017	48.306	ug/l #	99
73) Isopropylbenzene	12.325	105	620752	47.840	ug/l	100
74) N-amyl acetate	12.142	43	155140	49.305	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.581	83	124660	47.147	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	88455m	39.383	ug/l	
77) Bromobenzene	12.605	156	145802	47.227	ug/l	94
78) n-propylbenzene	12.666	91	736817	47.673	ug/l	98
79) 2-Chlorotoluene	12.752	91	417493	47.408	ug/l	97
80) 1,3,5-Trimethylbenzene	12.813	105	519156	47.353	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.374	75	42392	47.037	ug/l	89
82) 4-Chlorotoluene	12.849	91	430069	47.293	ug/l	98
83) tert-Butylbenzene	13.075	119	472315	48.170	ug/l	94
84) 1,2,4-Trimethylbenzene	13.117	105	517903	47.550	ug/l	99
85) sec-Butylbenzene	13.252	105	691133	48.129	ug/l	99
86) p-Isopropyltoluene	13.367	119	583666	48.638	ug/l	98
87) 1,3-Dichlorobenzene	13.361	146	297387	47.458	ug/l	100
88) 1,4-Dichlorobenzene	13.440	146	295190	47.596	ug/l	98
89) n-Butylbenzene	13.697	91	535032	48.568	ug/l	98
90) Hexachloroethane	13.959	117	111019	48.184	ug/l	92
91) 1,2-Dichlorobenzene	13.733	146	267429	47.909	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	20855	47.267	ug/l	78
93) 1,2,4-Trichlorobenzene	15.001	180	171792	50.451	ug/l	98
94) Hexachlorobutadiene	15.111	225	102783	49.662	ug/l	99
95) Naphthalene	15.233	128	350607	51.100	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	150793	50.859	ug/l	99

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

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