

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092922\
 Data File : VY010726.D
 Acq On : 29 Sep 2022 12:40
 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

09/30/2022
 Supervised By :Mahesh
 Dadoda

Quant Time: Sep 30 08:17:37 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091922S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 20 01:02:44 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	253904	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	401496	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	359365	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	181028	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	127638	52.558	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 105.120%	
35) Dibromofluoromethane	7.716	113	122065	47.638	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 95.280%	
50) Toluene-d8	10.179	98	468385	49.494	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 98.980%	
62) 4-Bromofluorobenzene	12.477	95	161151	45.616	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 91.240%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	53374	45.370	ug/l	100
3) Chloromethane	2.113	50	77495	44.266	ug/l	96
4) Vinyl Chloride	2.253	62	105657	46.562	ug/l	99
5) Bromomethane	2.650	94	76010	49.922	ug/l	97
6) Chloroethane	2.790	64	80090	44.778	ug/l	96
7) Trichlorofluoromethane	3.125	101	159595	47.837	ug/l	94
8) Diethyl Ether	3.528	74	56688	49.557	ug/l	80
9) 1,1,2-Trichlorotrifluo...	3.893	101	102145	50.872	ug/l	95
10) Methyl Iodide	4.088	142	110003	47.424	ug/l	92
11) Tert butyl alcohol	4.942	59	69921	325.103	ug/l	99
12) 1,1-Dichloroethene	3.869	96	83134	46.368	ug/l	88
13) Acrolein	3.729	56	26820	237.404	ug/l	97
14) Allyl chloride	4.479	41	136582	50.529	ug/l #	94
15) Acrylonitrile	5.155	53	161770	272.473	ug/l	98
16) Acetone	3.942	43	148462	299.777	ug/l #	86
17) Carbon Disulfide	4.192	76	145968	40.985	ug/l	100
18) Methyl Acetate	4.473	43	72645	51.931	ug/l #	87
19) Methyl tert-butyl Ether	5.216	73	304110	54.405	ug/l	96
20) Methylene Chloride	4.710	84	148758	58.396	ug/l #	84
21) trans-1,2-Dichloroethene	5.216	96	95138	47.154	ug/l	89
22) Diisopropyl ether	6.112	45	357650	56.053	ug/l #	94
23) Vinyl Acetate	6.058	43	1074713	285.122	ug/l #	92
24) 1,1-Dichloroethane	6.015	63	206067	53.810	ug/l	99
25) 2-Butanone	6.984	43	215022	277.579	ug/l #	85
26) 2,2-Dichloropropane	6.978	77	200458	54.435	ug/l	97
27) cis-1,2-Dichloroethene	6.984	96	130562	51.942	ug/l	91
28) Bromochloromethane	7.332	49	97928	54.049	ug/l #	83
29) Tetrahydrofuran	7.344	42	124085	260.804	ug/l #	84
30) Chloroform	7.502	83	227161	54.829	ug/l	99
31) Cyclohexane	7.783	56	135406	49.609	ug/l	92
32) 1,1,1-Trichloroethane	7.698	97	196750	53.358	ug/l	97
36) 1,1-Dichloropropene	7.911	75	140694	49.280	ug/l	98
37) Ethyl Acetate	7.070	43	88039	53.388	ug/l #	95
38) Carbon Tetrachloride	7.899	117	171592	52.271	ug/l	99
39) Methylcyclohexane	9.179	83	154810	46.328	ug/l	91
40) Benzene	8.155	78	434469	51.047	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	52237m	62.105	ug/l	
42) 1,2-Dichloroethane	8.234	62	139061	53.059	ug/l	93
43) Isopropyl Acetate	8.271	43	165161	54.639	ug/l #	91
44) Trichloroethene	8.935	130	120410	49.420	ug/l	94
45) 1,2-Dichloropropane	9.216	63	119210	54.142	ug/l	98
46) Dibromomethane	9.301	93	67649	52.319	ug/l	97
47) Bromodichloromethane	9.496	83	179423	56.199	ug/l	99
48) Methyl methacrylate	9.289	41	72967	54.683	ug/l #	82
49) 1,4-Dioxane	9.295	88	19353	1017.854	ug/l #	83
51) 4-Methyl-2-Pentanone	10.069	43	480025	281.276	ug/l	90
52) Toluene	10.240	92	284486	51.084	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	175782	54.452	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	193789	53.843	ug/l #	86
55) 1,1,2-Trichloroethane	10.642	97	104898	55.155	ug/l	98
56) Ethyl methacrylate	10.508	69	135807	55.120	ug/l #	81
57) 1,3-Dichloropropane	10.788	76	170701	54.184	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.783	63	345534	247.914	ug/l	95
59) 2-Hexanone	10.831	43	330287	285.534	ug/l	88
60) Dibromochloromethane	10.984	129	128556	55.234	ug/l	100
61) 1,2-Dibromoethane	11.087	107	93255	52.375	ug/l	100
64) Tetrachloroethene	10.715	164	113981	47.480	ug/l	99
65) Chlorobenzene	11.514	112	325442	52.372	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	134353	55.496	ug/l	98
67) Ethyl Benzene	11.593	91	580953	53.239	ug/l	98
68) m/p-Xylenes	11.703	106	444428	105.134	ug/l	94
69) o-Xylene	12.026	106	216588	52.552	ug/l	95
70) Styrene	12.044	104	379472	54.200	ug/l	96
71) Bromoform	12.209	173	83320	55.425	ug/l #	98
73) Isopropylbenzene	12.331	105	600151	53.643	ug/l	100
74) N-amyl acetate	12.142	43	152557	56.231	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.581	83	125313	54.967	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	91014m	52.677	ug/l	
77) Bromobenzene	12.605	156	137557	51.675	ug/l	99
78) n-propylbenzene	12.672	91	721032	54.106	ug/l	99
79) 2-Chlorotoluene	12.758	91	408929	53.855	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	506819	53.614	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.374	75	41806	53.799	ug/l	90
82) 4-Chlorotoluene	12.855	91	425539	54.272	ug/l	99
83) tert-Butylbenzene	13.075	119	463121	54.779	ug/l	94
84) 1,2,4-Trimethylbenzene	13.117	105	510731	54.383	ug/l	100
85) sec-Butylbenzene	13.251	105	681326	55.026	ug/l	100
86) p-Isopropyltoluene	13.367	119	576087	55.676	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	289287	53.542	ug/l	100
88) 1,4-Dichlorobenzene	13.447	146	284398	53.183	ug/l	99
89) n-Butylbenzene	13.696	91	532589	56.070	ug/l	99
90) Hexachloroethane	13.959	117	109876	55.308	ug/l	90
91) 1,2-Dichlorobenzene	13.733	146	258949	53.802	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	20639	54.252	ug/l	85
93) 1,2,4-Trichlorobenzene	15.007	180	158830	54.097	ug/l	99
94) Hexachlorobutadiene	15.111	225	95713	53.635	ug/l	99
95) Naphthalene	15.233	128	323281	54.645	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	140898	55.114	ug/l	100

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

