

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092322\
 Data File : VY010662.D
 Acq On : 23 Sep 2022 20:26
 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 09/26/2022
 Supervised By :Mahesh Dadoda 09/26/2022

Quant Time: Sep 24 01:25:13 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	7.783	168	207016	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	335469	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	315976	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	161265	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	108052	54.570	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 109.140%			
35) Dibromofluoromethane	7.716	113	100162	46.784	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 93.560%			
50) Toluene-d8	10.179	98	390937	49.444	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 98.880%			
62) 4-Bromofluorobenzene	12.477	95	131854	44.610	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 89.220%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.900	85	38664	39.508	ug/l	97
3) Chloromethane	2.113	50	61951	43.305	ug/l	95
4) Vinyl Chloride	2.247	62	76003	40.655	ug/l	95
5) Bromomethane	2.650	94	51831	40.874	ug/l	99
6) Chloroethane	2.790	64	56868	38.996	ug/l	99
7) Trichlorofluoromethane	3.125	101	110307	40.552	ug/l	95
8) Diethyl Ether	3.528	74	41773	44.789	ug/l	83
9) 1,1,2-Trichlorotrifluo...	3.899	101	70298	42.941	ug/l	95
10) Methyl Iodide	4.088	142	73453	38.839	ug/l	92
11) Tert butyl alcohol	4.948	59	51317	291.478	ug/l	99
12) 1,1-Dichloroethene	3.869	96	57903	39.610	ug/l	87
13) Acrolein	3.729	56	14610	158.615	ug/l	98
14) Allyl chloride	4.473	41	98480	44.685	ug/l #	94
15) Acrylonitrile	5.155	53	128084	264.597	ug/l	98
16) Acetone	3.942	43	96225	238.307	ug/l #	87
17) Carbon Disulfide	4.192	76	112731	38.544	ug/l	98
18) Methyl Acetate	4.473	43	58334	51.114	ug/l #	90
19) Methyl tert-butyl Ether	5.216	73	215347	47.251	ug/l	95
20) Methylene Chloride	4.710	84	104476	48.149	ug/l	84
21) trans-1,2-Dichloroethene	5.216	96	68004	41.340	ug/l	89
22) Diisopropyl ether	6.119	45	266332	51.195	ug/l	91
23) Vinyl Acetate	6.058	43	810988	263.887	ug/l #	93
24) 1,1-Dichloroethane	6.015	63	148620	47.599	ug/l	99
25) 2-Butanone	6.984	43	165873	262.631	ug/l #	88
26) 2,2-Dichloropropane	6.978	77	131129	43.674	ug/l	96
27) cis-1,2-Dichloroethene	6.978	96	93248	45.500	ug/l	90
28) Bromochloromethane	7.332	49	83448	56.259	ug/l	89
29) Tetrahydrofuran	7.344	42	102214	263.495	ug/l #	87
30) Chloroform	7.502	83	164583	48.722	ug/l	100
31) Cyclohexane	7.783	56	98024	43.614	ug/l	92
32) 1,1,1-Trichloroethane	7.698	97	135111	44.941	ug/l	96
36) 1,1-Dichloropropene	7.911	75	98842	41.435	ug/l	97
37) Ethyl Acetate	7.070	43	70704	51.314	ug/l	95
38) Carbon Tetrachloride	7.899	117	118015	43.026	ug/l	98
39) Methylcyclohexane	9.179	83	106487	38.139	ug/l	93
40) Benzene	8.161	78	318202	44.744	ug/l	96

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41) Methacrylonitrile	7.301	41	40203m	57.205	ug/l	
42) 1,2-Dichloroethane	8.234	62	104685	47.804	ug/l	94
43) Isopropyl Acetate	8.271	43	127972	50.669	ug/l #	93
44) Trichloroethene	8.935	130	86804	42.640	ug/l	98
45) 1,2-Dichloropropane	9.216	63	87519	47.572	ug/l	95
46) Dibromomethane	9.301	93	51344	47.525	ug/l	96
47) Bromodichloromethane	9.496	83	130844	49.049	ug/l	100
48) Methyl methacrylate	9.289	41	56892	51.028	ug/l #	86
49) 1,4-Dioxane	9.295	88	14923	939.338	ug/l #	84
51) 4-Methyl-2-Pentanone	10.069	43	387591	271.814	ug/l	91
52) Toluene	10.240	92	207513	44.597	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	125283	46.447	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	139349	46.338	ug/l #	85
55) 1,1,2-Trichloroethane	10.642	97	78340	49.298	ug/l	99
56) Ethyl methacrylate	10.508	69	100224	48.684	ug/l #	82
57) 1,3-Dichloropropane	10.788	76	127170	48.312	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.783	63	278486	239.860	ug/l	96
59) 2-Hexanone	10.831	43	262261	271.350	ug/l	89
60) Dibromochloromethane	10.984	129	96136	49.435	ug/l	99
61) 1,2-Dibromoethane	11.087	107	69332	46.603	ug/l	99
64) Tetrachloroethene	10.721	164	84292	39.935	ug/l	99
65) Chlorobenzene	11.514	112	239017	43.745	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	96265	45.223	ug/l	98
67) Ethyl Benzene	11.593	91	413643	43.112	ug/l	96
68) m/p-Xylenes	11.703	106	318970	85.817	ug/l	94
69) o-Xylene	12.026	106	157639	43.501	ug/l	92
70) Styrene	12.044	104	273693	44.460	ug/l	96
71) Bromoform	12.209	173	61542	46.560	ug/l #	100
73) Isopropylbenzene	12.331	105	421501	42.292	ug/l	100
74) N-amyl acetate	12.142	43	113292	46.876	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.581	83	95534	47.040	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	71790m	46.642	ug/l	
77) Bromobenzene	12.605	156	101187	42.671	ug/l	98
78) n-propylbenzene	12.672	91	509888	42.951	ug/l	98
79) 2-Chlorotoluene	12.758	91	289042	42.731	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	357609	42.466	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	30426	43.953	ug/l	91
82) 4-Chlorotoluene	12.855	91	300570	43.032	ug/l	99
83) tert-Butylbenzene	13.075	119	321458	42.683	ug/l	94
84) 1,2,4-Trimethylbenzene	13.117	105	359088	42.922	ug/l	98
85) sec-Butylbenzene	13.251	105	474330	43.003	ug/l	100
86) p-Isopropyltoluene	13.367	119	398039	43.183	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	205523	42.700	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	204765	42.984	ug/l	99
89) n-Butylbenzene	13.696	91	361878	42.767	ug/l	99
90) Hexachloroethane	13.959	117	79239	44.774	ug/l	89
91) 1,2-Dichlorobenzene	13.739	146	189049	44.092	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	16115	47.551	ug/l	87
93) 1,2,4-Trichlorobenzene	15.007	180	110466	42.235	ug/l	98
94) Hexachlorobutadiene	15.111	225	63831	40.153	ug/l	98
95) Naphthalene	15.233	128	234735	44.541	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	97361	42.751	ug/l	99

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

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