

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092222\
 Data File : VY010636.D
 Acq On : 22 Sep 2022 20:33
 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 09/23/2022
 Supervised By :Mahesh Dadoda 09/23/2022

Quant Time: Sep 23 09:05:24 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	208564	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	339311	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	315665	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	161313	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	114084	57.189	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 114.380%			
35) Dibromofluoromethane	7.716	113	105698	48.810	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 97.620%			
50) Toluene-d8	10.179	98	418068	52.098	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 104.200%			
62) 4-Bromofluorobenzene	12.477	95	139785	46.895	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 93.800%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.900	85	42146	43.336	ug/l	98
3) Chloromethane	2.113	50	68769	48.217	ug/l	97
4) Vinyl Chloride	2.247	62	83976	44.936	ug/l	100
5) Bromomethane	2.644	94	56732	44.871	ug/l	100
6) Chloroethane	2.790	64	61298	41.722	ug/l	98
7) Trichlorofluoromethane	3.119	101	119276	43.524	ug/l	95
8) Diethyl Ether	3.528	74	43661	46.466	ug/l	82
9) 1,1,2-Trichlorotrifluo...	3.893	101	75782	45.947	ug/l	95
10) Methyl Iodide	4.082	142	76833	40.325	ug/l	92
11) Tert butyl alcohol	4.942	59	47511	266.910	ug/l	98
12) 1,1-Dichloroethene	3.869	96	62217	42.246	ug/l	85
13) Acrolein	3.729	56	16536	178.193	ug/l	97
14) Allyl chloride	4.473	41	103020	46.398	ug/l #	94
15) Acrylonitrile	5.155	53	134411	275.607	ug/l	98
16) Acetone	3.942	43	100165	246.224	ug/l #	88
17) Carbon Disulfide	4.186	76	126031	43.349	ug/l	99
18) Methyl Acetate	4.466	43	62404	54.407	ug/l #	90
19) Methyl tert-butyl Ether	5.210	73	222074	48.365	ug/l	96
20) Methylene Chloride	4.710	84	106436	48.862	ug/l	87
21) trans-1,2-Dichloroethene	5.210	96	73545	44.376	ug/l	88
22) Diisopropyl ether	6.113	45	271430	51.788	ug/l	97
23) Vinyl Acetate	6.052	43	846954	273.544	ug/l #	93
24) 1,1-Dichloroethane	6.009	63	152913	48.610	ug/l	99
25) 2-Butanone	6.978	43	172306	270.791	ug/l #	88
26) 2,2-Dichloropropane	6.978	77	134324	44.406	ug/l	97
27) cis-1,2-Dichloroethene	6.978	96	97312	47.130	ug/l	90
28) Bromochloromethane	7.326	49	88554	58.987	ug/l #	87
29) Tetrahydrofuran	7.344	42	108547	277.743	ug/l #	86
30) Chloroform	7.503	83	167476	49.210	ug/l	99
31) Cyclohexane	7.783	56	105823	47.011	ug/l	89
32) 1,1,1-Trichloroethane	7.698	97	141216	46.623	ug/l	96
36) 1,1-Dichloropropene	7.911	75	107054	44.369	ug/l	98
37) Ethyl Acetate	7.070	43	75454	54.142	ug/l	95
38) Carbon Tetrachloride	7.899	117	124266	44.792	ug/l	100
39) Methylcyclohexane	9.179	83	119863	42.444	ug/l	90
40) Benzene	8.155	78	330243	45.912	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	37135m	52.242	ug/l	
42) 1,2-Dichloroethane	8.234	62	106714	48.179	ug/l	93
43) Isopropyl Acetate	8.271	43	130939	51.256	ug/l #	92
44) Trichloroethene	8.935	130	90616	44.008	ug/l	100
45) 1,2-Dichloropropane	9.216	63	90307	48.532	ug/l	97
46) Dibromomethane	9.301	93	52495	48.040	ug/l	97
47) Bromodichloromethane	9.490	83	133669	49.541	ug/l	99
48) Methyl methacrylate	9.289	41	59401	52.675	ug/l #	86
49) 1,4-Dioxane	9.295	88	14784	920.052	ug/l #	86
51) 4-Methyl-2-Pentanone	10.069	43	401855	278.626	ug/l	91
52) Toluene	10.240	92	214933	45.668	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	130335	47.773	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	143162	47.066	ug/l #	87
55) 1,1,2-Trichloroethane	10.642	97	80258	49.933	ug/l	97
56) Ethyl methacrylate	10.508	69	103867	49.882	ug/l #	83
57) 1,3-Dichloropropane	10.789	76	131753	49.486	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.783	63	296564	251.456	ug/l	96
59) 2-Hexanone	10.831	43	274181	280.471	ug/l	89
60) Dibromochloromethane	10.984	129	96767	49.196	ug/l	100
61) 1,2-Dibromoethane	11.087	107	72442	48.142	ug/l	99
64) Tetrachloroethene	10.715	164	88642	42.037	ug/l	97
65) Chlorobenzene	11.514	112	246327	45.128	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	99715	46.890	ug/l	98
67) Ethyl Benzene	11.593	91	431534	45.021	ug/l	99
68) m/p-Xylenes	11.703	106	333013	89.684	ug/l	94
69) o-Xylene	12.026	106	163421	45.141	ug/l	93
70) Styrene	12.044	104	283265	46.060	ug/l	96
71) Bromoform	12.209	173	64102	48.544	ug/l #	100
73) Isopropylbenzene	12.331	105	439290	44.064	ug/l	100
74) N-amyl acetate	12.142	43	119097	49.263	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.581	83	98325	48.400	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	74132m	48.149	ug/l	
77) Bromobenzene	12.605	156	104086	43.880	ug/l	97
78) n-propylbenzene	12.672	91	532675	44.857	ug/l	99
79) 2-Chlorotoluene	12.758	91	298693	44.144	ug/l	97
80) 1,3,5-Trimethylbenzene	12.813	105	370903	44.031	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	31666	45.730	ug/l	91
82) 4-Chlorotoluene	12.855	91	312426	44.716	ug/l	98
83) tert-Butylbenzene	13.075	119	333843	44.314	ug/l	94
84) 1,2,4-Trimethylbenzene	13.117	105	372089	44.463	ug/l	98
85) sec-Butylbenzene	13.252	105	498775	45.206	ug/l	100
86) p-Isopropyltoluene	13.367	119	419543	45.502	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	214833	44.621	ug/l	100
88) 1,4-Dichlorobenzene	13.447	146	212376	44.569	ug/l	99
89) n-Butylbenzene	13.697	91	382785	45.224	ug/l	99
90) Hexachloroethane	13.959	117	82759	46.749	ug/l	89
91) 1,2-Dichlorobenzene	13.739	146	193894	45.209	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	16582	48.914	ug/l	85
93) 1,2,4-Trichlorobenzene	15.007	180	113599	43.420	ug/l	99
94) Hexachlorobutadiene	15.111	225	68608	43.145	ug/l	99
95) Naphthalene	15.239	128	242561	46.012	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	100793	44.245	ug/l	99

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

