

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091522\
 Data File : VY010500.D
 Acq On : 15 Sep 2022 10:26
 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 09/16/2022
 Supervised By :Mahesh Dadoda 09/16/2022

Quant Time: Sep 15 12:08:00 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090922S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 09 17:08:30 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	236829	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	370896	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	334494	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	173981	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	114481	47.995	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.000%		
35) Dibromofluoromethane	7.716	113	113902	43.241	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	86.480%		
50) Toluene-d8	10.179	98	409872	48.011	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	96.020%		
62) 4-Bromofluorobenzene	12.483	95	149614	43.401	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	86.800%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	78055	48.600	ug/l	99
3) Chloromethane	2.113	50	115210	43.300	ug/l	97
4) Vinyl Chloride	2.247	62	146568	44.650	ug/l	99
5) Bromomethane	2.643	94	103289	44.913	ug/l	97
6) Chloroethane	2.790	64	103312	47.053	ug/l	97
7) Trichlorofluoromethane	3.119	101	196517	47.261	ug/l	94
8) Diethyl Ether	3.527	74	66205	49.161	ug/l	77
9) 1,1,2-Trichlorotrifluo...	3.893	101	117091	48.096	ug/l	97
10) Methyl Iodide	4.088	142	140219	46.544	ug/l	92
11) Tert butyl alcohol	4.948	59	63626	250.386	ug/l	96
12) 1,1-Dichloroethene	3.863	96	106744	46.737	ug/l	82
13) Acrolein	3.723	56	49529	217.658	ug/l	99
14) Allyl chloride	4.472	41	160414	48.774	ug/l #	93
15) Acrylonitrile	5.155	53	177036	271.565	ug/l	97
16) Acetone	3.942	43	147946	270.274	ug/l #	88
17) Carbon Disulfide	4.192	76	263198	42.615	ug/l	98
18) Methyl Acetate	4.472	43	83351	49.496	ug/l #	88
19) Methyl tert-butyl Ether	5.216	73	324446	51.440	ug/l	97
20) Methylene Chloride	4.710	84	142566	54.386	ug/l #	81
21) trans-1,2-Dichloroethene	5.210	96	120498	46.466	ug/l	90
22) Diisopropyl ether	6.112	45	372068	50.674	ug/l #	93
23) Vinyl Acetate	6.057	43	1183141	262.943	ug/l #	92
24) 1,1-Dichloroethane	6.015	63	222973	50.161	ug/l	99
25) 2-Butanone	6.978	43	233021	267.863	ug/l #	85
26) 2,2-Dichloropropane	6.978	77	212375	50.068	ug/l	96
27) cis-1,2-Dichloroethene	6.978	96	147434	48.910	ug/l	88
28) Bromochloromethane	7.326	49	72119	50.603	ug/l #	81
29) Tetrahydrofuran	7.344	42	143416	264.149	ug/l #	83
30) Chloroform	7.502	83	239365	50.766	ug/l	98
31) Cyclohexane	7.783	56	181022	44.923	ug/l	90
32) 1,1,1-Trichloroethane	7.697	97	214407	50.219	ug/l	96
36) 1,1-Dichloropropene	7.917	75	170482	47.276	ug/l	97
37) Ethyl Acetate	7.069	43	98064	51.729	ug/l #	93
38) Carbon Tetrachloride	7.899	117	196362	48.944	ug/l	99
39) Methylcyclohexane	9.179	83	206683	45.966	ug/l	89
40) Benzene	8.155	78	499859	48.151	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	56345m	51.991	ug/l	
42) 1,2-Dichloroethane	8.234	62	153617	49.763	ug/l	93
43) Isopropyl Acetate	8.271	43	182450	52.590	ug/l #	91
44) Trichloroethene	8.935	130	142153	46.520	ug/l	98
45) 1,2-Dichloropropane	9.215	63	126918	50.130	ug/l	96
46) Dibromomethane	9.307	93	76297	49.973	ug/l	98
47) Bromodichloromethane	9.496	83	185192	51.067	ug/l	97
48) Methyl methacrylate	9.289	41	83773	53.765	ug/l #	86
49) 1,4-Dioxane	9.295	88	20675	1022.976	ug/l #	85
51) 4-Methyl-2-Pentanone	10.069	43	516863	271.611	ug/l	89
52) Toluene	10.240	92	328519	48.360	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	189655	50.818	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	211779	50.311	ug/l #	86
55) 1,1,2-Trichloroethane	10.642	97	109514	50.425	ug/l	96
56) Ethyl methacrylate	10.508	69	148741	52.149	ug/l #	80
57) 1,3-Dichloropropane	10.788	76	182389	50.506	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	190247	242.463	ug/l	93
59) 2-Hexanone	10.831	43	357578	275.663	ug/l	86
60) Dibromochloromethane	10.983	129	135233	50.954	ug/l	99
61) 1,2-Dibromoethane	11.087	107	104301	49.472	ug/l	99
64) Tetrachloroethene	10.721	164	138813	46.042	ug/l	99
65) Chlorobenzene	11.514	112	359117	48.008	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	139306	50.281	ug/l	99
67) Ethyl Benzene	11.593	91	643272	48.588	ug/l	97
68) m/p-Xylenes	11.703	106	503807	96.931	ug/l	93
69) o-Xylene	12.026	106	241367	48.634	ug/l	92
70) Styrene	12.044	104	410400	48.858	ug/l	96
71) Bromoform	12.209	173	88360	51.012	ug/l #	100
73) Isopropylbenzene	12.331	105	647049	47.666	ug/l	99
74) N-amyl acetate	12.142	43	164513	51.941	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.581	83	129014	50.807	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	116719m	60.786	ug/l	
77) Bromobenzene	12.605	156	150271	46.717	ug/l	95
78) n-propylbenzene	12.672	91	773056	48.092	ug/l	98
79) 2-Chlorotoluene	12.758	91	432376	47.884	ug/l	97
80) 1,3,5-Trimethylbenzene	12.812	105	549825	48.005	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	44444	51.392	ug/l	90
82) 4-Chlorotoluene	12.855	91	450067	47.912	ug/l	97
83) tert-Butylbenzene	13.075	119	482244	48.172	ug/l	94
84) 1,2,4-Trimethylbenzene	13.117	105	544548	48.591	ug/l	98
85) sec-Butylbenzene	13.251	105	711370	47.989	ug/l	99
86) p-Isopropyltoluene	13.367	119	601241	47.951	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	302145	46.778	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	299536	46.832	ug/l	98
89) n-Butylbenzene	13.696	91	549296	48.262	ug/l	98
90) Hexachloroethane	13.959	117	112057	47.599	ug/l	92
91) 1,2-Dichlorobenzene	13.739	146	269974	47.191	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	22326	52.088	ug/l	81
93) 1,2,4-Trichlorobenzene	15.007	180	166991	46.998	ug/l	99
94) Hexachlorobutadiene	15.111	225	98580	45.982	ug/l	97
95) Naphthalene	15.233	128	354525	50.587	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	144889	46.713	ug/l	98

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

