

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092022\
 Data File : VY010568.D
 Acq On : 20 Sep 2022 11:23
 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 09/21/2022
 Supervised By :Mahesh Dadoda 09/21/2022

Quant Time: Sep 20 18:08:51 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	241078	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	384777	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	350498	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	174360	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	126219	54.739	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 109.480%			
35) Dibromofluoromethane	7.710	113	119686	48.739	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 97.480%			
50) Toluene-d8	10.179	98	474467	52.137	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 104.280%			
62) 4-Bromofluorobenzene	12.483	95	158184	46.791	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 93.580%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	52929	47.705	ug/l	98
3) Chloromethane	2.113	50	84891	51.829	ug/l	98
4) Vinyl Chloride	2.247	62	105385	49.095	ug/l	100
5) Bromomethane	2.644	94	73193	50.706	ug/l	99
6) Chloroethane	2.790	64	77051	45.371	ug/l	99
7) Trichlorofluoromethane	3.119	101	143666	45.353	ug/l	94
8) Diethyl Ether	3.522	74	50889	46.854	ug/l	81
9) 1,1,2-Trichlorotrifluo...	3.893	101	88219	46.274	ug/l	96
10) Methyl Iodide	4.082	142	93805	42.592	ug/l	91
11) Tert butyl alcohol	4.942	59	43973	211.388	ug/l #	95
12) 1,1-Dichloroethene	3.863	96	76725	45.070	ug/l	83
13) Acrolein	3.723	56	22169	206.675	ug/l	100
14) Allyl chloride	4.473	41	121619	47.387	ug/l #	94
15) Acrylonitrile	5.155	53	138506	245.700	ug/l	97
16) Acetone	3.942	43	100086	212.848	ug/l #	89
17) Carbon Disulfide	4.186	76	156085	46.822	ug/l	100
18) Methyl Acetate	4.466	43	63110	47.332	ug/l #	88
19) Methyl tert-butyl Ether	5.216	73	256324	48.296	ug/l	96
20) Methylene Chloride	4.710	84	110844	42.484	ug/l	86
21) trans-1,2-Dichloroethene	5.210	96	87978	45.925	ug/l	88
22) Diisopropyl ether	6.113	45	311333	51.389	ug/l #	92
23) Vinyl Acetate	6.052	43	932599	260.582	ug/l #	92
24) 1,1-Dichloroethane	6.009	63	179087	49.253	ug/l	99
25) 2-Butanone	6.978	43	170668	232.043	ug/l #	86
26) 2,2-Dichloropropane	6.978	77	164284	46.985	ug/l	96
27) cis-1,2-Dichloroethene	6.978	96	116447	48.791	ug/l	88
28) Bromochloromethane	7.326	49	93889	54.527	ug/l #	82
29) Tetrahydrofuran	7.344	42	106755	236.317	ug/l #	84
30) Chloroform	7.503	83	198707	50.512	ug/l	99
31) Cyclohexane	7.777	56	124188	47.788	ug/l	94
32) 1,1,1-Trichloroethane	7.698	97	170425	48.678	ug/l	97
36) 1,1-Dichloropropene	7.911	75	125339	45.809	ug/l	97
37) Ethyl Acetate	7.070	43	76789	48.589	ug/l	95
38) Carbon Tetrachloride	7.899	117	147692	46.945	ug/l	98
39) Methylcyclohexane	9.179	83	138506	43.250	ug/l	89
40) Benzene	8.155	78	389343	47.732	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	47134	58.473	ug/l #	1
42) 1,2-Dichloroethane	8.234	62	123230	49.062	ug/l	92
43) Isopropyl Acetate	8.271	43	138805	47.915	ug/l #	90
44) Trichloroethene	8.935	130	108174	46.328	ug/l	99
45) 1,2-Dichloropropane	9.210	63	105643	50.065	ug/l	99
46) Dibromomethane	9.301	93	60628	48.927	ug/l	97
47) Bromodichloromethane	9.490	83	155766	50.909	ug/l	100
48) Methyl methacrylate	9.289	41	62854	49.151	ug/l #	84
49) 1,4-Dioxane	9.289	88	16967	931.138	ug/l #	80
51) 4-Methyl-2-Pentanone	10.069	43	403671	246.813	ug/l	90
52) Toluene	10.240	92	254939	47.768	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	151174	48.864	ug/l	100
54) cis-1,3-Dichloropropene	9.923	75	169648	49.184	ug/l #	87
55) 1,1,2-Trichloroethane	10.642	97	90528	49.667	ug/l	99
56) Ethyl methacrylate	10.508	69	116342	49.271	ug/l #	80
57) 1,3-Dichloropropane	10.789	76	150490	49.845	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.783	63	335603	250.976	ug/l	94
59) 2-Hexanone	10.831	43	272202	245.545	ug/l	88
60) Dibromochloromethane	10.984	129	112432	50.406	ug/l	100
61) 1,2-Dibromoethane	11.087	107	81976	48.041	ug/l	100
64) Tetrachloroethene	10.715	164	107821	46.051	ug/l	97
65) Chlorobenzene	11.514	112	292835	48.317	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	116621	49.390	ug/l	98
67) Ethyl Benzene	11.593	91	509568	47.879	ug/l	97
68) m/p-Xylenes	11.703	106	391179	94.879	ug/l	95
69) o-Xylene	12.026	106	192146	47.801	ug/l	93
70) Styrene	12.044	104	335761	49.170	ug/l	95
71) Bromoform	12.209	173	71466	48.742	ug/l #	99
73) Isopropylbenzene	12.331	105	522400	48.479	ug/l	100
74) N-amyl acetate	12.142	43	127672	48.858	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.581	83	105191	47.905	ug/l	100
76) 1,2,3-Trichloropropane	12.630	75	94707m	56.910	ug/l	
77) Bromobenzene	12.605	156	123705	48.248	ug/l	95
78) n-propylbenzene	12.672	91	620306	48.328	ug/l	98
79) 2-Chlorotoluene	12.758	91	351578	48.072	ug/l	97
80) 1,3,5-Trimethylbenzene	12.813	105	435196	47.798	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	35102	46.899	ug/l	90
82) 4-Chlorotoluene	12.855	91	364269	48.234	ug/l	98
83) tert-Butylbenzene	13.075	119	391889	48.126	ug/l	94
84) 1,2,4-Trimethylbenzene	13.117	105	437540	48.371	ug/l	98
85) sec-Butylbenzene	13.251	105	581030	48.721	ug/l	99
86) p-Isopropyltoluene	13.367	119	489375	49.105	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	249739	47.990	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	247715	48.095	ug/l	99
89) n-Butylbenzene	13.697	91	443672	48.496	ug/l	99
90) Hexachloroethane	13.959	117	94562	49.419	ug/l	90
91) 1,2-Dichlorobenzene	13.739	146	228120	49.209	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	17001	46.398	ug/l	79
93) 1,2,4-Trichlorobenzene	15.007	180	136805	48.377	ug/l	99
94) Hexachlorobutadiene	15.111	225	81968	47.689	ug/l	98
95) Naphthalene	15.239	128	271058	47.570	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	118679	48.198	ug/l	99

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

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