

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112122\
 Data File : VY011536.D
 Acq On : 21 Nov 2022 19:53
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 11/22/2022
 Supervised By :Mahesh Dadoda 11/25/2022

Quant Time: Nov 22 01:47:48 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111822S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 19 22:37:14 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	193970	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	309499	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	289698	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	149391	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	97099	49.300	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.600%		
35) Dibromofluoromethane	7.716	113	91169	47.851	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	95.700%		
50) Toluene-d8	10.179	98	316544	45.720	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	91.440%		
62) 4-Bromofluorobenzene	12.483	95	125474	49.016	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	98.040%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	45779	42.873	ug/l	98
3) Chloromethane	2.113	50	83283	50.549	ug/l	97
4) Vinyl Chloride	2.253	62	98310	44.810	ug/l	98
5) Bromomethane	2.650	94	70115	50.067	ug/l	98
6) Chloroethane	2.796	64	68305	44.623	ug/l	96
7) Trichlorofluoromethane	3.131	101	150078	46.635	ug/l	95
8) Diethyl Ether	3.534	74	58705	56.443	ug/l	89
9) 1,1,2-Trichlorotrifluo...	3.900	101	89408	48.046	ug/l	95
10) Methyl Iodide	4.095	142	110657	51.040	ug/l	93
11) Tert butyl alcohol	4.954	59	60435	287.798	ug/l	96
12) 1,1-Dichloroethene	3.875	96	83964	49.257	ug/l	85
13) Acrolein	3.729	56	11794	227.102	ug/l	100
14) Allyl chloride	4.485	41	159981	53.463	ug/l	93
15) Acrylonitrile	5.168	53	172176	303.081	ug/l	98
16) Acetone	3.948	43	160364	250.667	ug/l	93
17) Carbon Disulfide	4.198	76	226913	48.031	ug/l	99
18) Methyl Acetate	4.479	43	87933	59.941	ug/l	95
19) Methyl tert-butyl Ether	5.229	73	289755	59.561	ug/l	96
20) Methylene Chloride	4.723	84	133502	57.325	ug/l	91
21) trans-1,2-Dichloroethene	5.222	96	100682	51.113	ug/l	94
22) Diisopropyl ether	6.119	45	373291	57.150	ug/l	98
23) Vinyl Acetate	6.064	43	1180822	310.347	ug/l	96
24) 1,1-Dichloroethane	6.021	63	197525	51.505	ug/l	98
25) 2-Butanone	6.990	43	241109	286.771	ug/l	93
26) 2,2-Dichloropropane	6.984	77	173027	48.884	ug/l	97
27) cis-1,2-Dichloroethene	6.990	96	123848	53.406	ug/l	93
28) Bromochloromethane	7.338	49	83837	54.415	ug/l	96
29) Tetrahydrofuran	7.350	42	153828	323.975	ug/l	95
30) Chloroform	7.509	83	207630	52.206	ug/l	100
31) Cyclohexane	7.789	56	157863	48.356	ug/l	97
32) 1,1,1-Trichloroethane	7.704	97	177794	49.973	ug/l	97
36) 1,1-Dichloropropene	7.923	75	145039	48.701	ug/l	99
37) Ethyl Acetate	7.076	43	100210	59.091	ug/l	96
38) Carbon Tetrachloride	7.905	117	157661	47.318	ug/l	97
39) Methylcyclohexane	9.185	83	164362	49.454	ug/l	94
40) Benzene	8.161	78	438174	50.508	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.314	41	49324m	57.524	ug/l	
42) 1,2-Dichloroethane	8.240	62	137695	51.322	ug/l	94
43) Isopropyl Acetate	8.277	43	179832	58.782	ug/l	94
44) Trichloroethene	8.941	130	114040	48.857	ug/l	96
45) 1,2-Dichloropropane	9.216	63	115652	52.155	ug/l	97
46) Dibromomethane	9.307	93	65571	52.886	ug/l	96
47) Bromodichloromethane	9.496	83	162280	51.962	ug/l	98
48) Methyl methacrylate	9.295	41	83501	61.449	ug/l	91
49) 1,4-Dioxane	9.301	88	18580	1210.058	ug/l	92
51) 4-Methyl-2-Pentanone	10.069	43	529090	311.106	ug/l	94
52) Toluene	10.246	92	282474	51.490	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	168305	53.912	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	186366	53.066	ug/l	91
55) 1,1,2-Trichloroethane	10.648	97	95950	54.092	ug/l	98
56) Ethyl methacrylate	10.514	69	134515	60.974	ug/l	87
57) 1,3-Dichloropropane	10.795	76	162516	54.098	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.783	63	311072	287.909	ug/l	98
59) 2-Hexanone	10.831	43	371822	306.327	ug/l	92
60) Dibromochloromethane	10.984	129	115926	53.328	ug/l	100
61) 1,2-Dibromoethane	11.087	107	88501	54.660	ug/l	99
64) Tetrachloroethene	10.721	164	116569	48.829	ug/l	98
65) Chlorobenzene	11.520	112	302588	49.880	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	118763	51.654	ug/l	98
67) Ethyl Benzene	11.593	91	559680	51.097	ug/l	99
68) m/p-Xylenes	11.703	106	424955	101.918	ug/l	98
69) o-Xylene	12.032	106	203175	52.338	ug/l	97
70) Styrene	12.044	104	349936	52.809	ug/l	97
71) Bromoform	12.209	173	76241	54.505	ug/l #	99
73) Isopropylbenzene	12.331	105	541155	50.087	ug/l	99
74) N-amyl acetate	12.142	43	158990	59.590	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.581	83	116450	54.697	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	94685m	58.853	ug/l	
77) Bromobenzene	12.611	156	128389	50.891	ug/l	99
78) n-propylbenzene	12.672	91	662663	50.274	ug/l	100
79) 2-Chlorotoluene	12.758	91	376592	50.690	ug/l	99
80) 1,3,5-Trimethylbenzene	12.813	105	466518	51.223	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	41244	56.151	ug/l	90
82) 4-Chlorotoluene	12.855	91	395404	50.899	ug/l	99
83) tert-Butylbenzene	13.075	119	396296	49.956	ug/l	97
84) 1,2,4-Trimethylbenzene	13.123	105	467189	51.938	ug/l	99
85) sec-Butylbenzene	13.252	105	594447	50.222	ug/l	100
86) p-Isopropyltoluene	13.373	119	500145	50.631	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	253862	49.432	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	252359	49.143	ug/l	99
89) n-Butylbenzene	13.697	91	460484	50.710	ug/l	99
90) Hexachloroethane	13.965	117	96396	48.324	ug/l	88
91) 1,2-Dichlorobenzene	13.739	146	230055	50.535	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	19756	56.583	ug/l	88
93) 1,2,4-Trichlorobenzene	15.007	180	134137	53.123	ug/l	99
94) Hexachlorobutadiene	15.111	225	75968	48.400	ug/l	98
95) Naphthalene	15.239	128	294191	55.128	ug/l	98
96) 1,2,3-Trichlorobenzene	15.428	180	118957	54.972	ug/l	99

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

