

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022422\
 Data File : VY007614.D
 Acq On : 24 Feb 2022 10:41
 Operator : SY/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 : John Carlone 02/25/2022
 Supervised By : Mahesh Dadoda 02/25/2022

Quant Time: Feb 25 05:40:52 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022322S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 24 07:13:58 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	61541	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	96947	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	93125	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	43651	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	36195	52.869	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.740%			
35) Dibromofluoromethane	7.716	113	32696	53.449	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.900%			
50) Toluene-d8	10.179	98	108350	48.035	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 96.060%			
62) 4-Bromofluorobenzene	12.483	95	37059	47.911	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 95.820%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	33649	44.209	ug/l	100
3) Chloromethane	2.113	50	36868	49.017	ug/l	96
4) Vinyl Chloride	2.253	62	42255	46.803	ug/l	98
5) Bromomethane	2.656	94	30518	55.775	ug/l	96
6) Chloroethane	2.796	64	25513	44.417	ug/l	98
7) Trichlorofluoromethane	3.131	101	76654	44.016	ug/l	96
8) Diethyl Ether	3.534	74	21172	47.646	ug/l	55
9) 1,1,2-Trichlorotrifluo...	3.905	101	32928	44.010	ug/l	95
10) Methyl Iodide	4.101	142	41885	45.869	ug/l	99
11) Tert butyl alcohol	4.960	59	16001	232.057	ug/l	98
12) 1,1-Dichloroethene	3.875	96	31819	45.773	ug/l #	79
13) Acrolein	3.735	56	19955	226.474	ug/l	97
14) Allyl chloride	4.485	41	30007	46.693	ug/l #	63
15) Acrylonitrile	5.167	53	39535	257.982	ug/l	97
16) Acetone	3.948	43	45401	291.187	ug/l	93
17) Carbon Disulfide	4.198	76	71632	41.464	ug/l	100
18) Methyl Acetate	4.485	43	15612	46.592	ug/l #	66
19) Methyl tert-butyl Ether	5.228	73	92051	49.270	ug/l #	87
20) Methylene Chloride	4.716	84	35020	47.118	ug/l #	74
21) trans-1,2-Dichloroethene	5.228	96	30977	44.664	ug/l #	70
22) Diisopropyl ether	6.118	45	62781	46.492	ug/l #	85
23) Vinyl Acetate	6.064	43	248354	254.935	ug/l #	80
24) 1,1-Dichloroethane	6.027	63	47551	46.112	ug/l #	91
25) 2-Butanone	6.984	43	45366	256.639	ug/l #	62
26) 2,2-Dichloropropane	6.978	77	52799	45.600	ug/l	95
27) cis-1,2-Dichloroethene	6.990	96	36655	45.533	ug/l	78
28) Bromochloromethane	7.332	49	17365	49.398	ug/l #	30
29) Tetrahydrofuran	7.350	42	24509	238.233	ug/l #	51
30) Chloroform	7.508	83	62246	47.152	ug/l	96
31) Cyclohexane	7.783	56	32441	44.595	ug/l #	64
32) 1,1,1-Trichloroethane	7.710	97	59241	45.123	ug/l	96
36) 1,1-Dichloropropene	7.923	75	36931	41.895	ug/l	91
37) Ethyl Acetate	7.076	43	18745	47.234	ug/l #	91
38) Carbon Tetrachloride	7.899	117	55628	43.093	ug/l	97
39) Methylcyclohexane	9.185	83	45287	44.827	ug/l #	81
40) Benzene	8.161	78	108556	43.161	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	10579m	48.335	ug/l	
42) 1,2-Dichloroethane	8.240	62	42850	46.511	ug/l	95
43) Isopropyl Acetate	8.277	43	37695	46.502	ug/l #	84
44) Trichloroethene	8.941	130	37589	44.044	ug/l	88
45) 1,2-Dichloropropane	9.215	63	24638	46.030	ug/l	94
46) Dibromomethane	9.307	93	21762	47.415	ug/l	97
47) Bromodichloromethane	9.496	83	49358	47.749	ug/l #	98
48) Methyl methacrylate	9.289	41	15681	45.872	ug/l #	49
49) 1,4-Dioxane	9.307	88	5504	942.507	ug/l #	78
51) 4-Methyl-2-Pentanone	10.069	43	98809	242.198	ug/l #	88
52) Toluene	10.246	92	72871	42.477	ug/l	97
53) t-1,3-Dichloropropene	10.465	75	45680	44.041	ug/l	96
54) cis-1,3-Dichloropropene	9.929	75	49841	45.511	ug/l	94
55) 1,1,2-Trichloroethane	10.648	97	27097	45.838	ug/l	91
56) Ethyl methacrylate	10.508	69	33370	47.895	ug/l #	77
57) 1,3-Dichloropropane	10.788	76	41994	46.299	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	93711	276.402	ug/l #	75
59) 2-Hexanone	10.831	43	71254	245.071	ug/l	90
60) Dibromochloromethane	10.983	129	38631	48.315	ug/l	97
61) 1,2-Dibromoethane	11.087	107	27328	45.941	ug/l	99
64) Tetrachloroethene	10.721	164	32639	45.288	ug/l	96
65) Chlorobenzene	11.514	112	89364	44.024	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	35628	44.298	ug/l	99
67) Ethyl Benzene	11.593	91	142596	41.886	ug/l	96
68) m/p-Xylenes	11.703	106	110696	83.028	ug/l	95
69) o-Xylene	12.032	106	54691	41.710	ug/l	94
70) Styrene	12.044	104	95233	43.417	ug/l	98
71) Bromoform	12.209	173	24688	46.342	ug/l #	95
73) Isopropylbenzene	12.331	105	141198	41.994	ug/l	99
74) N-amyl acetate	12.142	43	32095	49.015	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.587	83	28840	47.304	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	22007m	50.408	ug/l	
77) Bromobenzene	12.611	156	38232	43.618	ug/l	81
78) n-propylbenzene	12.672	91	164590	42.384	ug/l	95
79) 2-Chlorotoluene	12.758	91	91410	42.283	ug/l	94
80) 1,3,5-Trimethylbenzene	12.812	105	121211	42.376	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	10090	49.694	ug/l	91
82) 4-Chlorotoluene	12.855	91	94856	43.025	ug/l	94
83) tert-Butylbenzene	13.075	119	106468	41.652	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	122178	43.580	ug/l	98
85) sec-Butylbenzene	13.251	105	148369	41.078	ug/l	98
86) p-Isopropyltoluene	13.367	119	130521	42.049	ug/l	97
87) 1,3-Dichlorobenzene	13.367	146	70499	43.298	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	70355	44.135	ug/l	99
89) n-Butylbenzene	13.696	91	113708	40.686	ug/l	97
90) Hexachloroethane	13.965	117	25577	40.880	ug/l	92
91) 1,2-Dichlorobenzene	13.739	146	65715	44.429	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.361	75	5558	45.325	ug/l	76
93) 1,2,4-Trichlorobenzene	15.007	180	41891	40.617	ug/l	98
94) Hexachlorobutadiene	15.111	225	23055	40.289	ug/l	98
95) Naphthalene	15.233	128	96409	43.552	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	37865	42.496	ug/l	98

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

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