

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031022\
 Data File : VY007820.D
 Acq On : 10 Mar 2022 09:49
 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 03/11/2022
 Supervised By : Mahesh Dadoda 03/11/2022

Quant Time: Mar 10 23:55:01 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022822S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 01 09:08:03 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	221977	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	345919	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	320845	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	169686	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	107204	46.131	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	92.260%		
35) Dibromofluoromethane	7.722	113	103229	46.677	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	93.360%		
50) Toluene-d8	10.179	98	359628	44.175	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	88.360%		
62) 4-Bromofluorobenzene	12.483	95	123833	47.189	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	94.380%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	64748	44.066	ug/l	98
3) Chloromethane	2.119	50	109379	47.689	ug/l	92
4) Vinyl Chloride	2.253	62	145228	43.611	ug/l	98
5) Bromomethane	2.650	94	123212	45.779	ug/l	99
6) Chloroethane	2.796	64	110520	43.276	ug/l	98
7) Trichlorofluoromethane	3.131	101	178718	46.972	ug/l	98
8) Diethyl Ether	3.534	74	56989	46.548	ug/l	86
9) 1,1,2-Trichlorotrifluo...	3.905	101	114928	49.483	ug/l	94
10) Methyl Iodide	4.094	142	107516	38.048	ug/l	95
11) Tert butyl alcohol	4.948	59	43162	214.523	ug/l #	92
12) 1,1-Dichloroethene	3.881	96	94829	46.004	ug/l	90
13) Acrolein	3.729	56	34956	196.624	ug/l	95
14) Allyl chloride	4.485	41	155206	50.059	ug/l #	91
15) Acrylonitrile	5.161	53	160286	248.028	ug/l	99
16) Acetone	3.948	43	139474	295.030	ug/l	91
17) Carbon Disulfide	4.198	76	229066	45.639	ug/l	98
18) Methyl Acetate	4.479	43	67426	48.586	ug/l #	91
19) Methyl tert-butyl Ether	5.222	73	311450	48.682	ug/l	93
20) Methylene Chloride	4.716	84	119895	53.091	ug/l	86
21) trans-1,2-Dichloroethene	5.222	96	113132	47.036	ug/l	88
22) Diisopropyl ether	6.118	45	399463	53.932	ug/l	96
23) Vinyl Acetate	6.064	43	1256043	268.157	ug/l #	95
24) 1,1-Dichloroethane	6.021	63	224111	50.077	ug/l	99
25) 2-Butanone	6.984	43	219818	277.183	ug/l #	88
26) 2,2-Dichloropropane	6.984	77	202156	50.759	ug/l	97
27) cis-1,2-Dichloroethene	6.984	96	137900	48.895	ug/l	92
28) Bromochloromethane	7.332	49	102585	53.900	ug/l #	97
29) Tetrahydrofuran	7.344	42	135962	250.563	ug/l	88
30) Chloroform	7.508	83	240142	51.794	ug/l	98
31) Cyclohexane	7.783	56	184816	51.757	ug/l	95
32) 1,1,1-Trichloroethane	7.704	97	211370	51.225	ug/l	99
36) 1,1-Dichloropropene	7.917	75	170879	49.117	ug/l	99
37) Ethyl Acetate	7.076	43	90164	46.923	ug/l	97
38) Carbon Tetrachloride	7.905	117	189272	51.001	ug/l	99
39) Methylcyclohexane	9.185	83	200691	46.938	ug/l	91
40) Benzene	8.161	78	495058	51.131	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	46579m	50.726	ug/l	
42) 1,2-Dichloroethane	8.240	62	153904	50.942	ug/l	94
43) Isopropyl Acetate	8.271	43	180306	50.740	ug/l	95
44) Trichloroethene	8.941	130	131606	48.942	ug/l	98
45) 1,2-Dichloropropane	9.215	63	129736	51.815	ug/l	98
46) Dibromomethane	9.307	93	74882	49.823	ug/l	94
47) Bromodichloromethane	9.496	83	191839	54.420	ug/l	97
48) Methyl methacrylate	9.295	41	80391	52.192	ug/l	87
49) 1,4-Dioxane	9.295	88	18006	992.353	ug/l #	83
51) 4-Methyl-2-Pentanone	10.069	43	507043	266.672	ug/l	96
52) Toluene	10.246	92	322340	51.489	ug/l	97
53) t-1,3-Dichloropropene	10.465	75	186508	51.532	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	205909	51.494	ug/l	90
55) 1,1,2-Trichloroethane	10.642	97	110084	53.839	ug/l	97
56) Ethyl methacrylate	10.514	69	135570	49.941	ug/l	89
57) 1,3-Dichloropropane	10.788	76	179399	51.885	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	391792	264.646	ug/l	97
59) 2-Hexanone	10.831	43	353912	276.400	ug/l	91
60) Dibromochloromethane	10.983	129	132539	54.438	ug/l	99
61) 1,2-Dibromoethane	11.087	107	100744	51.693	ug/l	97
64) Tetrachloroethene	10.721	164	110119	46.302	ug/l	97
65) Chlorobenzene	11.520	112	351466	50.281	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	136488	52.215	ug/l	97
67) Ethyl Benzene	11.593	91	642680	50.983	ug/l	98
68) m/p-Xylenes	11.703	106	498353	103.034	ug/l	93
69) o-Xylene	12.032	106	234615	51.188	ug/l	94
70) Styrene	12.044	104	410728	53.518	ug/l	95
71) Bromoform	12.209	173	82879	50.921	ug/l #	99
73) Isopropylbenzene	12.331	105	643216	48.657	ug/l	100
74) N-amyl acetate	12.142	43	167774	47.677	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.581	83	133228	48.052	ug/l	98
76) 1,2,3-Trichloropropane	12.629	75	98235m	51.839	ug/l	
77) Bromobenzene	12.611	156	145819	47.889	ug/l	96
78) n-propylbenzene	12.672	91	798396	50.051	ug/l	100
79) 2-Chlorotoluene	12.758	91	428776	50.232	ug/l	97
80) 1,3,5-Trimethylbenzene	12.812	105	523800	49.554	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	43827	47.282	ug/l	92
82) 4-Chlorotoluene	12.855	91	433258	49.346	ug/l	96
83) tert-Butylbenzene	13.075	119	475557	48.911	ug/l	92
84) 1,2,4-Trimethylbenzene	13.123	105	528827	50.791	ug/l	98
85) sec-Butylbenzene	13.251	105	731459	50.856	ug/l	100
86) p-Isopropyltoluene	13.367	119	604010	50.846	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	305114	50.356	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	298756	49.958	ug/l	97
89) n-Butylbenzene	13.696	91	573323	51.065	ug/l	99
90) Hexachloroethane	13.959	117	115505	51.295	ug/l	87
91) 1,2-Dichlorobenzene	13.739	146	268615	49.926	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	19278	45.912	ug/l	86
93) 1,2,4-Trichlorobenzene	15.007	180	158293	46.473	ug/l	98
94) Hexachlorobutadiene	15.111	225	92274	45.820	ug/l	98
95) Naphthalene	15.239	128	306170	44.185	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	138460	45.610	ug/l	100

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

