

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030322\
 Data File : VY007692.D
 Acq On : 03 Mar 2022 09:30
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Quant Time: Mar 04 00:38:37 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

Manual Integrations APPROVED

Reviewed By : John Carlone 03/04/2022
 Supervised By : Mahesh Dadoda 03/04/2022

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	395760	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	608203	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	545922	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	271507	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	174635	42.149	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	84.300%		
35) Dibromofluoromethane	7.722	113	171666	44.148	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	88.300%		
50) Toluene-d8	10.179	98	624311	43.617	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	87.240%		
62) 4-Bromofluorobenzene	12.483	95	203224	44.046	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	88.100%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	126471	48.667	ug/l	100
3) Chloromethane	2.119	50	188041	45.725	ug/l	96
4) Vinyl Chloride	2.253	62	262551	44.221	ug/l	100
5) Bromomethane	2.649	94	212827	44.352	ug/l	98
6) Chloroethane	2.796	64	194723	42.766	ug/l	98
7) Trichlorofluoromethane	3.131	101	324177	47.789	ug/l	92
8) Diethyl Ether	3.533	74	103021	47.197	ug/l	82
9) 1,1,2-Trichlorotrifluo...	3.905	101	203481	49.139	ug/l	96
10) Methyl Iodide	4.094	142	241375	47.910	ug/l	92
11) Tert butyl alcohol	4.954	59	91119	254.014	ug/l #	93
12) 1,1-Dichloroethene	3.881	96	180532	49.123	ug/l	88
13) Acrolein	3.735	56	68857	221.717	ug/l	99
14) Allyl chloride	4.485	41	267586	48.407	ug/l #	90
15) Acrylonitrile	5.161	53	279193	242.318	ug/l	99
16) Acetone	3.948	43	182680	216.741	ug/l	94
17) Carbon Disulfide	4.198	76	456557	51.488	ug/l	100
18) Methyl Acetate	4.478	43	117064	47.147	ug/l #	88
19) Methyl tert-butyl Ether	5.222	73	553574	48.533	ug/l	97
20) Methylene Chloride	4.722	84	204338	50.541	ug/l #	83
21) trans-1,2-Dichloroethene	5.222	96	209462	48.846	ug/l	87
22) Diisopropyl ether	6.124	45	657957	49.825	ug/l #	93
23) Vinyl Acetate	6.064	43	2170997	259.968	ug/l #	94
24) 1,1-Dichloroethane	6.021	63	395449	49.561	ug/l	99
25) 2-Butanone	6.984	43	343297	242.801	ug/l #	87
26) 2,2-Dichloropropane	6.990	77	372038	52.395	ug/l	97
27) cis-1,2-Dichloroethene	6.990	96	249848	49.688	ug/l	90
28) Bromochloromethane	7.338	49	154228	45.451	ug/l #	90
29) Tetrahydrofuran	7.350	42	240825	248.929	ug/l #	84
30) Chloroform	7.508	83	408897	49.465	ug/l	99
31) Cyclohexane	7.789	56	338712	53.323	ug/l	92
32) 1,1,1-Trichloroethane	7.703	97	376016	51.111	ug/l	98
36) 1,1-Dichloropropene	7.923	75	316791	51.789	ug/l	99
37) Ethyl Acetate	7.076	43	168167	49.776	ug/l	96
38) Carbon Tetrachloride	7.899	117	343366	52.623	ug/l	96
39) Methylcyclohexane	9.185	83	378863	50.397	ug/l	91
40) Benzene	8.161	78	871884	51.217	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	77771m	48.171	ug/l	
42) 1,2-Dichloroethane	8.240	62	267705	50.397	ug/l	95
43) Isopropyl Acetate	8.270	43	319354	51.113	ug/l #	93
44) Trichloroethene	8.941	130	242272	51.243	ug/l	100
45) 1,2-Dichloropropane	9.215	63	224616	51.022	ug/l	97
46) Dibromomethane	9.307	93	131646	49.818	ug/l	97
47) Bromodichloromethane	9.496	83	322917	52.100	ug/l	98
48) Methyl methacrylate	9.295	41	138185	51.025	ug/l #	83
49) 1,4-Dioxane	9.301	88	33650	1054.776	ug/l #	82
51) 4-Methyl-2-Pentanone	10.069	43	862249	257.923	ug/l	90
52) Toluene	10.246	92	570758	51.853	ug/l	97
53) t-1,3-Dichloropropene	10.465	75	329942	51.849	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	370337	52.675	ug/l	90
55) 1,1,2-Trichloroethane	10.648	97	186882	51.984	ug/l	99
56) Ethyl methacrylate	10.508	69	250840	52.555	ug/l #	83
57) 1,3-Dichloropropane	10.794	76	316405	52.047	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	629200	241.727	ug/l	97
59) 2-Hexanone	10.831	43	605457	268.938	ug/l	87
60) Dibromochloromethane	10.983	129	231640	54.113	ug/l	100
61) 1,2-Dibromoethane	11.087	107	176328	51.459	ug/l	100
64) Tetrachloroethene	10.721	164	205011	50.662	ug/l	99
65) Chlorobenzene	11.520	112	615378	51.740	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	238597	53.645	ug/l	97
67) Ethyl Benzene	11.593	91	1132585	52.804	ug/l	99
68) m/p-Xylenes	11.703	106	871618	105.910	ug/l	92
69) o-Xylene	12.032	106	416978	53.467	ug/l	92
70) Styrene	12.044	104	697425	53.408	ug/l	96
71) Bromoform	12.209	173	149993	54.161	ug/l #	98
73) Isopropylbenzene	12.331	105	1134086	53.616	ug/l	100
74) N-amyl acetate	12.142	43	292479	51.945	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.581	83	230928	52.055	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	142281m	46.925	ug/l	
77) Bromobenzene	12.611	156	256278	52.602	ug/l	93
78) n-propylbenzene	12.672	91	1367128	53.563	ug/l	99
79) 2-Chlorotoluene	12.757	91	721457	52.823	ug/l	96
80) 1,3,5-Trimethylbenzene	12.812	105	906204	53.580	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.379	75	77089	51.977	ug/l	90
82) 4-Chlorotoluene	12.855	91	741745	52.799	ug/l	95
83) tert-Butylbenzene	13.074	119	824989	53.030	ug/l	92
84) 1,2,4-Trimethylbenzene	13.123	105	891181	53.494	ug/l	96
85) sec-Butylbenzene	13.257	105	1255424	54.552	ug/l	100
86) p-Isopropyltoluene	13.367	119	1032674	54.330	ug/l	97
87) 1,3-Dichlorobenzene	13.367	146	523677	54.015	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	509435	53.240	ug/l	98
89) n-Butylbenzene	13.696	91	972183	54.117	ug/l	100
90) Hexachloroethane	13.958	117	196303	54.484	ug/l	91
91) 1,2-Dichlorobenzene	13.739	146	456093	52.981	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	33658	50.098	ug/l	78
93) 1,2,4-Trichlorobenzene	15.007	180	286318	52.535	ug/l	99
94) Hexachlorobutadiene	15.111	225	169960	52.746	ug/l	98
95) Naphthalene	15.239	128	561317	50.627	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	250871	51.648	ug/l	99

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

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