

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122322\
 Data File : VY012008.D
 Acq On : 23 Dec 2022 19:18
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 12/27/2022
 Supervised By :Mahesh Dadoda 12/27/2022

Quant Time: Dec 23 22:27:47 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122022S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 20 12:37:37 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	166050	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	227005	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	185788	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	85044	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	59047	35.296	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	70.600%		
35) Dibromofluoromethane	7.722	113	63098	46.170	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	92.340%		
50) Toluene-d8	10.179	98	274428	49.493	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	98.980%		
62) 4-Bromofluorobenzene	12.483	95	78366	42.023	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	84.040%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	75976	57.004	ug/l	97
3) Chloromethane	2.113	50	62127	42.038	ug/l	97
4) Vinyl Chloride	2.253	62	79140	48.558	ug/l	96
5) Bromomethane	2.656	94	42808	36.919	ug/l	93
6) Chloroethane	2.796	64	46444	43.597	ug/l	98
7) Trichlorofluoromethane	3.131	101	157103	55.065	ug/l	96
8) Diethyl Ether	3.527	74	26838	30.487	ug/l	91
9) 1,1,2-Trichlorotrifluo...	3.899	101	86459	55.049	ug/l	98
10) Methyl Iodide	4.094	142	109352	50.323	ug/l	96
11) Tert butyl alcohol	4.942	59	19718	98.808	ug/l	97
12) 1,1-Dichloroethene	3.875	96	77162	49.116	ug/l	97
13) Acrolein	3.735	56	17426	111.432	ug/l	98
14) Allyl chloride	4.485	41	89594	38.726	ug/l	92
15) Acrylonitrile	5.161	53	56732	138.542	ug/l	99
16) Acetone	3.948	43	49114	101.291	ug/l	94
17) Carbon Disulfide	4.198	76	229013	45.699	ug/l	99
18) Methyl Acetate	4.472	43	33171	28.695	ug/l	94
19) Methyl tert-butyl Ether	5.222	73	128608	31.905	ug/l	94
20) Methylene Chloride	4.716	84	69394	34.140	ug/l	92
21) trans-1,2-Dichloroethene	5.228	96	77932	43.658	ug/l	97
22) Diisopropyl ether	6.118	45	161327	35.406	ug/l	96
23) Vinyl Acetate	6.064	43	394877	150.629	ug/l	96
24) 1,1-Dichloroethane	6.015	63	119271	40.270	ug/l	98
25) 2-Butanone	6.984	43	67889	121.826	ug/l	94
26) 2,2-Dichloropropane	6.978	77	122563	42.289	ug/l	100
27) cis-1,2-Dichloroethene	6.984	96	75126	38.912	ug/l	97
28) Bromochloromethane	7.332	49	27134	33.385	ug/l	89
29) Tetrahydrofuran	7.350	42	44099	139.673	ug/l	92
30) Chloroform	7.508	83	125975	39.461	ug/l	99
31) Cyclohexane	7.783	56	139538	49.547	ug/l	98
32) 1,1,1-Trichloroethane	7.703	97	143336	47.206	ug/l	99
36) 1,1-Dichloropropene	7.917	75	115786	52.819	ug/l	98
37) Ethyl Acetate	7.069	43	31123	31.645	ug/l #	96
38) Carbon Tetrachloride	7.899	117	142954	56.465	ug/l	98
39) Methylcyclohexane	9.185	83	160876	60.990	ug/l	95
40) Benzene	8.161	78	284659	45.376	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	15770	33.159	ug/l #	100
42) 1,2-Dichloroethane	8.240	62	67741	37.509	ug/l	100
43) Isopropyl Acetate	8.270	43	58516	32.577	ug/l	94
44) Trichloroethene	8.941	130	85112	48.134	ug/l	97
45) 1,2-Dichloropropane	9.215	63	59101	40.774	ug/l	100
46) Dibromomethane	9.307	93	30485	36.512	ug/l	99
47) Bromodichloromethane	9.496	83	84586	39.933	ug/l	98
48) Methyl methacrylate	9.295	41	28321	34.053	ug/l	97
49) 1,4-Dioxane	9.289	88	7055	707.734	ug/l	95
51) 4-Methyl-2-Pentanone	10.069	43	159122	166.136	ug/l	98
52) Toluene	10.246	92	184880	46.256	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	77993	36.439	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	91985	38.234	ug/l	99
55) 1,1,2-Trichloroethane	10.642	97	42302	35.704	ug/l	100
56) Ethyl methacrylate	10.508	69	52014	34.674	ug/l	95
57) 1,3-Dichloropropane	10.794	76	71710	36.268	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	96626	166.927	ug/l	96
59) 2-Hexanone	10.831	43	109972	156.073	ug/l	97
60) Dibromochloromethane	10.983	129	56571	37.902	ug/l	100
61) 1,2-Dibromoethane	11.087	107	38307	34.558	ug/l	98
64) Tetrachloroethene	10.721	164	86794	53.372	ug/l	97
65) Chlorobenzene	11.514	112	177202	45.936	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	65144	45.388	ug/l	99
67) Ethyl Benzene	11.593	91	350093	50.207	ug/l	99
68) m/p-Xylenes	11.703	106	268740	99.098	ug/l	99
69) o-Xylene	12.032	106	119593	47.397	ug/l	99
70) Styrene	12.044	104	192440	45.422	ug/l	99
71) Bromoform	12.209	173	32899	38.683	ug/l #	98
73) Isopropylbenzene	12.331	105	355817	56.382	ug/l	99
74) N-amyl acetate	12.142	43	48270	37.309	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.581	83	43694	41.503	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	35475m	33.523	ug/l	
77) Bromobenzene	12.611	156	66861	45.795	ug/l	94
78) n-propylbenzene	12.672	91	409239	53.949	ug/l	99
79) 2-Chlorotoluene	12.757	91	211724	49.654	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	288798	53.451	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.379	75	14852	38.434	ug/l	98
82) 4-Chlorotoluene	12.855	91	210182	47.640	ug/l	99
83) tert-Butylbenzene	13.074	119	264619	57.788	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	271394	51.057	ug/l	99
85) sec-Butylbenzene	13.257	105	385077	56.317	ug/l	99
86) p-Isopropyltoluene	13.373	119	308592	53.486	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	133887	45.598	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	126188	43.230	ug/l	99
89) n-Butylbenzene	13.696	91	262493	50.257	ug/l	99
90) Hexachloroethane	13.965	117	55997	50.866	ug/l	98
91) 1,2-Dichlorobenzene	13.739	146	110796	43.283	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.361	75	6917	38.231	ug/l	99
93) 1,2,4-Trichlorobenzene	15.007	180	53595	35.592	ug/l	99
94) Hexachlorobutadiene	15.117	225	44537	45.773	ug/l	99
95) Naphthalene	15.239	128	91470	30.360	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	43000	33.775	ug/l	99

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

