

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020222\
 Data File : VY007349.D
 Acq On : 02 Feb 2022 12:02
 Operator : SY/MD
 Sample : VSTDIC020
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/03/2022
 Supervised By : Mahesh Dadoda 02/07/2022

Quant Time: Feb 03 04:26:45 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020222S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 03 04:23:41 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	138520	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	233253	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	202654	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	90533	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	29037	18.224	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	36.440%#		
35) Dibromofluoromethane	7.722	113	26281	17.546	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	35.100%#		
50) Toluene-d8	10.179	98	96333	17.409	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	34.820%#		
62) 4-Bromofluorobenzene	12.483	95	34503	18.345	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	36.680%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	36403	22.446	ug/l	100
3) Chloromethane	2.113	50	40843	20.548	ug/l	92
4) Vinyl Chloride	2.253	62	41715	21.812	ug/l	99
5) Bromomethane	2.650	94	23823	20.565	ug/l	97
6) Chloroethane	2.796	64	25131	21.397	ug/l	99
7) Trichlorofluoromethane	3.131	101	65624	21.175	ug/l	90
8) Diethyl Ether	3.534	74	19619	21.327	ug/l	83
9) 1,1,2-Trichlorotrifluo...	3.905	101	37069	21.238	ug/l	92
10) Methyl Iodide	4.094	142	38337	20.375	ug/l	94
11) Tert butyl alcohol	4.942	59	28613	112.254	ug/l #	77
12) 1,1-Dichloroethene	3.875	96	34043	21.115	ug/l	88
13) Acrolein	3.735	56	22214	103.784	ug/l	98
14) Allyl chloride	4.485	41	51496	20.795	ug/l #	95
15) Acrylonitrile	5.167	53	45696	105.730	ug/l	99
16) Acetone	3.954	43	46544	89.946	ug/l	94
17) Carbon Disulfide	4.198	76	107578	21.254	ug/l	99
18) Methyl Acetate	4.485	43	20661	21.317	ug/l #	89
19) Methyl tert-butyl Ether	5.228	73	94002	20.695	ug/l	98
20) Methylene Chloride	4.722	84	36045	19.921	ug/l	88
21) trans-1,2-Dichloroethene	5.228	96	37793	21.189	ug/l	84
22) Diisopropyl ether	6.125	45	108364	20.885	ug/l	95
23) Vinyl Acetate	6.064	43	354752	104.834	ug/l #	93
24) 1,1-Dichloroethane	6.027	63	65008	20.745	ug/l	98
25) 2-Butanone	6.990	43	60708	97.101	ug/l #	89
26) 2,2-Dichloropropane	6.984	77	61601	20.544	ug/l	97
27) cis-1,2-Dichloroethene	6.990	96	40659	20.638	ug/l	90
28) Bromochloromethane	7.332	49	23403	19.100	ug/l	90
29) Tetrahydrofuran	7.350	42	37826	104.701	ug/l #	87
30) Chloroform	7.508	83	67411	20.679	ug/l	100
31) Cyclohexane	7.789	56	64684	20.805	ug/l	95
32) 1,1,1-Trichloroethane	7.704	97	63359	20.912	ug/l	95
36) 1,1-Dichloropropene	7.923	75	54795	20.926	ug/l	100
37) Ethyl Acetate	7.076	43	27372	21.026	ug/l	97
38) Carbon Tetrachloride	7.905	117	57470	20.890	ug/l	93
39) Methylcyclohexane	9.185	83	68108	20.711	ug/l	89
40) Benzene	8.167	78	142443	20.522	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	14498m	17.501	ug/l	
42) 1,2-Dichloroethane	8.240	62	43271	20.508	ug/l	95
43) Isopropyl Acetate	8.277	43	50413	20.707	ug/l #	91
44) Trichloroethene	8.947	130	38797	20.673	ug/l	98
45) 1,2-Dichloropropane	9.215	63	34292	20.037	ug/l	90
46) Dibromomethane	9.307	93	20431	20.065	ug/l	91
47) Bromodichloromethane	9.502	83	49892	20.262	ug/l	98
48) Methyl methacrylate	9.295	41	22306	20.260	ug/l #	88
49) 1,4-Dioxane	9.301	88	5285	473.832	ug/l #	82
51) 4-Methyl-2-Pentanone	10.069	43	129620	104.979	ug/l	93
52) Toluene	10.246	92	89034	20.359	ug/l	97
53) t-1,3-Dichloropropene	10.465	75	52817	20.533	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	58662	20.360	ug/l	90
55) 1,1,2-Trichloroethane	10.648	97	27601	20.639	ug/l	99
56) Ethyl methacrylate	10.508	69	38518	20.737	ug/l	85
57) 1,3-Dichloropropane	10.794	76	48283	20.363	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	96914	100.302	ug/l	96
59) 2-Hexanone	10.831	43	90482	100.517	ug/l	91
60) Dibromochloromethane	10.983	129	34139	20.505	ug/l	98
61) 1,2-Dibromoethane	11.087	107	27141	20.514	ug/l	99
64) Tetrachloroethene	10.721	164	32400	20.372	ug/l	95
65) Chlorobenzene	11.514	112	92681	20.558	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	34447	20.469	ug/l	98
67) Ethyl Benzene	11.593	91	175760	20.545	ug/l	99
68) m/p-Xylenes	11.703	106	131203	41.409	ug/l	99
69) o-Xylene	12.026	106	61524	20.538	ug/l	98
70) Styrene	12.044	104	102535	20.763	ug/l	99
71) Bromoform	12.209	173	18913	20.369	ug/l #	99
73) Isopropylbenzene	12.331	105	171346	20.709	ug/l	98
74) N-amyl acetate	12.142	43	42964	20.978	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	12.581	83	31206	20.653	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	20487m	18.784	ug/l	
77) Bromobenzene	12.611	156	35025	20.096	ug/l	95
78) n-propylbenzene	12.672	91	209021	20.857	ug/l	98
79) 2-Chlorotoluene	12.758	91	114230	20.587	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	139438	20.658	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	11100	20.662	ug/l	86
82) 4-Chlorotoluene	12.855	91	117570	20.630	ug/l	99
83) tert-Butylbenzene	13.075	119	120493	20.506	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	137685	20.718	ug/l	98
85) sec-Butylbenzene	13.257	105	183233	20.790	ug/l	97
86) p-Isopropyltoluene	13.367	119	148428	20.673	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	69341	20.520	ug/l	97
88) 1,4-Dichlorobenzene	13.446	146	70647	20.973	ug/l	97
89) n-Butylbenzene	13.696	91	143717	20.797	ug/l	99
90) Hexachloroethane	13.959	117	27358	20.163	ug/l	78
91) 1,2-Dichlorobenzene	13.739	146	60679	20.400	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.355	75	4696	19.125	ug/l	83
93) 1,2,4-Trichlorobenzene	15.007	180	36555	20.753	ug/l	95
94) Hexachlorobutadiene	15.111	225	19767	20.272	ug/l	99
95) Naphthalene	15.233	128	75150	20.530	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	29899	20.109	ug/l	96

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

