

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022822\
 Data File : VY007656.D
 Acq On : 28 Feb 2022 17:50
 Operator : SY/MD
 Sample : VSTDIC020
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/01/2022
 Supervised By : Mahesh Dadoda 03/01/2022

Quant Time: Mar 01 07:04:42 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022822S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 01 07:02:33 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	370934	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	580051	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	519791	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	260182	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	82209	19.842	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	39.680%#		
35) Dibromofluoromethane	7.716	113	78353	21.041	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	42.080%#		
50) Toluene-d8	10.179	98	290045	22.265	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	44.540%#		
62) 4-Bromofluorobenzene	12.477	95	93070	19.584	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	39.160%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	56161	12.973	ug/l	94
3) Chloromethane	2.113	50	93264	19.094	ug/l	95
4) Vinyl Chloride	2.253	62	111201	19.891	ug/l	96
5) Bromomethane	2.643	94	95453	23.528	ug/l	97
6) Chloroethane	2.790	64	87471	23.897	ug/l	96
7) Trichlorofluoromethane	3.125	101	125671	12.699	ug/l	92
8) Diethyl Ether	3.527	74	42033	16.135	ug/l	79
9) 1,1,2-Trichlorotrifluo...	3.899	101	77060	17.229	ug/l	92
10) Methyl Iodide	4.088	142	91856	17.138	ug/l	93
11) Tert butyl alcohol	4.960	59	34439	83.870	ug/l #	92
12) 1,1-Dichloroethene	3.875	96	67345	16.442	ug/l	91
13) Acrolein	3.735	56	41102	82.571	ug/l	100
14) Allyl chloride	4.479	41	102871	24.537	ug/l #	92
15) Acrylonitrile	5.161	53	108444	111.104	ug/l	99
16) Acetone	3.948	43	78730	85.019	ug/l	91
17) Carbon Disulfide	4.192	76	188272	18.121	ug/l	100
18) Methyl Acetate	4.472	43	54981	24.276	ug/l #	87
19) Methyl tert-butyl Ether	5.216	73	211023	18.507	ug/l	95
20) Methylene Chloride	4.710	84	84356	16.387	ug/l	89
21) trans-1,2-Dichloroethene	5.222	96	79441	18.757	ug/l	85
22) Diisopropyl ether	6.112	45	242672	26.336	ug/l	95
23) Vinyl Acetate	6.058	43	782941	121.315	ug/l #	94
24) 1,1-Dichloroethane	6.015	63	145707	22.171	ug/l	97
25) 2-Butanone	6.990	43	135811	118.108	ug/l #	89
26) 2,2-Dichloropropane	6.978	77	130454	18.393	ug/l	97
27) cis-1,2-Dichloroethene	6.984	96	92134	18.696	ug/l	90
28) Bromochloromethane	7.332	49	60592	25.512	ug/l	90
29) Tetrahydrofuran	7.344	42	93489	133.397	ug/l #	85
30) Chloroform	7.508	83	148192	18.281	ug/l	94
31) Cyclohexane	7.783	56	130716	22.675	ug/l	93
32) 1,1,1-Trichloroethane	7.704	97	130074	16.415	ug/l	98
36) 1,1-Dichloropropene	7.917	75	111921	20.303	ug/l	99
37) Ethyl Acetate	7.070	43	65311	24.716	ug/l	98
38) Carbon Tetrachloride	7.899	117	117922	15.455	ug/l	97
39) Methylcyclohexane	9.179	83	139614	19.800	ug/l	90
40) Benzene	8.155	78	317510	20.212	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	32304m	23.163	ug/l	
42) 1,2-Dichloroethane	8.234	62	100952	18.141	ug/l	95
43) Isopropyl Acetate	8.271	43	120433	22.974	ug/l #	90
44) Trichloroethene	8.941	130	88292	17.212	ug/l	96
45) 1,2-Dichloropropane	9.215	63	82824	23.817	ug/l	99
46) Dibromomethane	9.301	93	49653	17.879	ug/l	97
47) Bromodichloromethane	9.496	83	114273	18.155	ug/l	97
48) Methyl methacrylate	9.295	41	53353	23.972	ug/l #	86
49) 1,4-Dioxane	9.301	88	12090	342.340	ug/l #	76
51) 4-Methyl-2-Pentanone	10.069	43	325186	121.286	ug/l	90
52) Toluene	10.240	92	199004	18.657	ug/l	97
53) t-1,3-Dichloropropene	10.465	75	119377	18.536	ug/l	97
54) cis-1,3-Dichloropropene	9.929	75	132032	19.469	ug/l #	89
55) 1,1,2-Trichloroethane	10.642	97	68237	18.651	ug/l	94
56) Ethyl methacrylate	10.508	69	90638	20.482	ug/l #	84
57) 1,3-Dichloropropane	10.788	76	117232	20.641	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	237401	108.842	ug/l	98
59) 2-Hexanone	10.831	43	218894	114.989	ug/l	90
60) Dibromochloromethane	10.983	129	79477	16.556	ug/l	100
61) 1,2-Dibromoethane	11.087	107	64230	17.722	ug/l	98
64) Tetrachloroethene	10.715	164	73180	15.961	ug/l	93
65) Chlorobenzene	11.514	112	218657	18.826	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	79439	17.415	ug/l	97
67) Ethyl Benzene	11.593	91	385998	19.535	ug/l	97
68) m/p-Xylenes	11.697	106	298418	38.440	ug/l	92
69) o-Xylene	12.026	106	139392	18.376	ug/l	94
70) Styrene	12.038	104	234814	18.458	ug/l	95
71) Bromoform	12.203	173	50598	16.793	ug/l #	98
73) Isopropylbenzene	12.325	105	379864	18.548	ug/l	99
74) N-amyl acetate	12.142	43	103915	24.402	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.581	83	84190	21.975	ug/l	98
76) 1,2,3-Trichloropropane	12.629	75	56602m	20.864	ug/l	
77) Bromobenzene	12.605	156	88050	16.858	ug/l	94
78) n-propylbenzene	12.666	91	462000	19.367	ug/l	100
79) 2-Chlorotoluene	12.751	91	246445	18.609	ug/l	95
80) 1,3,5-Trimethylbenzene	12.812	105	304862	17.692	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.373	75	26934	21.075	ug/l	91
82) 4-Chlorotoluene	12.855	91	253794	18.852	ug/l	96
83) tert-Butylbenzene	13.075	119	279453	18.034	ug/l	92
84) 1,2,4-Trimethylbenzene	13.117	105	301142	17.817	ug/l	98
85) sec-Butylbenzene	13.251	105	416383	18.845	ug/l	99
86) p-Isopropyltoluene	13.367	119	339809	18.047	ug/l	97
87) 1,3-Dichlorobenzene	13.361	146	176975	18.060	ug/l	98
88) 1,4-Dichlorobenzene	13.440	146	175648	18.277	ug/l	99
89) n-Butylbenzene	13.690	91	325330	19.024	ug/l	99
90) Hexachloroethane	13.959	117	63499	16.987	ug/l	95
91) 1,2-Dichlorobenzene	13.739	146	155439	17.526	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	12805	17.818	ug/l	81
93) 1,2,4-Trichlorobenzene	15.007	180	99789	16.440	ug/l	98
94) Hexachlorobutadiene	15.111	225	58670	17.310	ug/l	99
95) Naphthalene	15.233	128	210824	16.350	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	90443	17.225	ug/l	100

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

