

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021422\
 Data File : VY007491.D
 Acq On : 14 Feb 2022 12:05
 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 02/15/2022
 Supervised By : Mahesh Dadoda 02/21/2022

Quant Time: Feb 15 03:45:45 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y021422S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 15 03:43:03 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	132374	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	218357	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	192372	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	88060	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	31208	21.498	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	43.000%		
35) Dibromofluoromethane	7.722	113	29349	21.316	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	42.640%		
50) Toluene-d8	10.185	98	109100	20.845	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	41.680%		
62) 4-Bromofluorobenzene	12.483	95	36944	20.691	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	41.380%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.912	85	32204	21.818	ug/l	96
3) Chloromethane	2.119	50	31900	22.052	ug/l	98
4) Vinyl Chloride	2.259	62	33603	23.171	ug/l	98
5) Bromomethane	2.656	94	19512	18.869	ug/l	94
6) Chloroethane	2.802	64	17789	20.328	ug/l	97
7) Trichlorofluoromethane	3.131	101	59616	21.348	ug/l	95
8) Diethyl Ether	3.540	74	17454	21.798	ug/l	79
9) 1,1,2-Trichlorotrifluo...	3.912	101	32930	21.361	ug/l	95
10) Methyl Iodide	4.107	142	39060	21.230	ug/l	94
11) Tert butyl alcohol	4.966	59	12875	112.256	ug/l #	90
12) 1,1-Dichloroethene	3.887	96	30291	21.198	ug/l	81
13) Acrolein	3.741	56	14514	128.868	ug/l	99
14) Allyl chloride	4.491	41	42718	21.302	ug/l #	90
15) Acrylonitrile	5.174	53	39818	113.684	ug/l	99
16) Acetone	3.954	43	39021	101.301	ug/l	95
17) Carbon Disulfide	4.204	76	91038	22.198	ug/l	100
18) Methyl Acetate	4.485	43	18121	22.093	ug/l #	90
19) Methyl tert-butyl Ether	5.228	73	86502	21.868	ug/l	97
20) Methylene Chloride	4.735	84	34116	21.358	ug/l #	80
21) trans-1,2-Dichloroethene	5.234	96	33808	21.729	ug/l #	81
22) Diisopropyl ether	6.131	45	94073	22.589	ug/l #	92
23) Vinyl Acetate	6.070	43	299765	112.652	ug/l #	90
24) 1,1-Dichloroethane	6.027	63	57830	22.153	ug/l	98
25) 2-Butanone	6.996	43	51897	109.538	ug/l #	79
26) 2,2-Dichloropropane	6.990	77	56312	21.354	ug/l	96
27) cis-1,2-Dichloroethene	6.990	96	37545	21.657	ug/l	89
28) Bromochloromethane	7.344	49	21468	21.476	ug/l #	82
29) Tetrahydrofuran	7.356	42	32275	117.188	ug/l #	86
30) Chloroform	7.515	83	61257	21.615	ug/l	100
31) Cyclohexane	7.795	56	55060	21.566	ug/l	89
32) 1,1,1-Trichloroethane	7.710	97	57779	21.238	ug/l	95
36) 1,1-Dichloropropene	7.923	75	47632	21.492	ug/l	98
37) Ethyl Acetate	7.082	43	23034	23.221	ug/l #	95
38) Carbon Tetrachloride	7.911	117	52810	20.835	ug/l	98
39) Methylcyclohexane	9.191	83	62094	21.667	ug/l	87
40) Benzene	8.167	78	130740	21.509	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.332	41	13447m	17.935	ug/l	
42) 1,2-Dichloroethane	8.246	62	39273	21.004	ug/l	91
43) Isopropyl Acetate	8.283	43	44717	22.184	ug/l #	91
44) Trichloroethene	8.947	130	36596	21.048	ug/l	95
45) 1,2-Dichloropropane	9.222	63	31550	21.952	ug/l	98
46) Dibromomethane	9.307	93	19493	21.777	ug/l	92
47) Bromodichloromethane	9.502	83	47041	21.606	ug/l	100
48) Methyl methacrylate	9.301	41	20660	23.247	ug/l #	89
49) 1,4-Dioxane	9.307	88	4130	425.421	ug/l	87
51) 4-Methyl-2-Pentanone	10.075	43	113482	113.597	ug/l	90
52) Toluene	10.246	92	83615	21.345	ug/l	96
53) t-1,3-Dichloropropene	10.471	75	49038	21.536	ug/l	100
54) cis-1,3-Dichloropropene	9.935	75	54509	21.438	ug/l #	84
55) 1,1,2-Trichloroethane	10.648	97	25454	21.161	ug/l	97
56) Ethyl methacrylate	10.514	69	35035	21.904	ug/l	85
57) 1,3-Dichloropropane	10.794	76	44858	21.932	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.789	63	87303	104.398	ug/l	93
59) 2-Hexanone	10.837	43	80561	111.696	ug/l	91
60) Dibromochloromethane	10.983	129	31585	20.873	ug/l	98
61) 1,2-Dibromoethane	11.093	107	25562	21.532	ug/l	99
64) Tetrachloroethene	10.727	164	32140	21.222	ug/l	98
65) Chlorobenzene	11.520	112	88885	21.207	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	32754	20.603	ug/l	98
67) Ethyl Benzene	11.593	91	166112	21.214	ug/l	99
68) m/p-Xylenes	11.703	106	125530	42.304	ug/l	97
69) o-Xylene	12.032	106	57776	20.464	ug/l	99
70) Styrene	12.050	104	97528	21.096	ug/l	98
71) Bromoform	12.209	173	18170	20.702	ug/l #	100
73) Isopropylbenzene	12.331	105	161536	20.781	ug/l	99
74) N-amyl acetate	12.148	43	38716	22.280	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.587	83	27906	21.036	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	20544m	17.723	ug/l	
77) Bromobenzene	12.611	156	33954	20.298	ug/l	99
78) n-propylbenzene	12.672	91	194760	20.862	ug/l	100
79) 2-Chlorotoluene	12.758	91	106706	20.710	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	134554	20.902	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	10424	21.323	ug/l	89
82) 4-Chlorotoluene	12.861	91	108697	20.527	ug/l	99
83) tert-Butylbenzene	13.075	119	118541	21.053	ug/l	95
84) 1,2,4-Trimethylbenzene	13.123	105	132159	21.238	ug/l	97
85) sec-Butylbenzene	13.257	105	173977	20.998	ug/l	99
86) p-Isopropyltoluene	13.373	119	143330	20.973	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	67424	20.717	ug/l	98
88) 1,4-Dichlorobenzene	13.446	146	66746	20.673	ug/l	98
89) n-Butylbenzene	13.696	91	136014	20.896	ug/l	99
90) Hexachloroethane	13.965	117	26342	20.188	ug/l	82
91) 1,2-Dichlorobenzene	13.739	146	59338	20.684	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.361	75	4712	20.867	ug/l	94
93) 1,2,4-Trichlorobenzene	15.007	180	35132	20.326	ug/l	98
94) Hexachlorobutadiene	15.117	225	20115	20.033	ug/l	99
95) Naphthalene	15.239	128	76952	20.516	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	30099	20.166	ug/l	98

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

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