

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011322\
 Data File : VY007138.D
 Acq On : 13 Jan 2022 12:23
 Operator : SY/MD
 Sample : VSTDICC020
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/14/2022
 Supervised By : Mahesh Dadoda 01/14/2022

Quant Time: Jan 14 05:27:35 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011322S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 14 05:26:06 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	138490	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	235365	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	204975	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	91885	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	33693	20.137	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	40.280%#
35) Dibromofluoromethane	7.722	113	32348	20.404	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	40.800%#
50) Toluene-d8	10.179	98	118874	20.336	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	40.680%#
62) 4-Bromofluorobenzene	12.483	95	42172	20.043	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	40.080%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.912	85	7750	16.267	ug/l	94
3) Chloromethane	2.113	50	18738	18.713	ug/l	95
4) Vinyl Chloride	2.259	62	27586	18.908	ug/l	97
5) Bromomethane	2.656	94	17000	17.510	ug/l	95
6) Chloroethane	2.802	64	17485	19.504	ug/l	99
7) Trichlorofluoromethane	3.131	101	30469	17.452	ug/l	97
8) Diethyl Ether	3.528	74	16176	18.490	ug/l	91
9) 1,1,2-Trichlorotrifluo...	3.906	101	29295	19.071	ug/l	97
10) Methyl Iodide	4.088	142	43906	18.613	ug/l	98
11) Tert butyl alcohol	4.966	59	14569	109.144	ug/l #	84
12) 1,1-Dichloroethene	3.875	96	29739	18.846	ug/l	100
13) Acrolein	3.729	56	4288	97.768	ug/l	99
14) Allyl chloride	4.479	41	47892	19.754	ug/l	97
15) Acrylonitrile	5.168	53	37704	93.605	ug/l	98
16) Acetone	3.954	43	35358	105.805	ug/l	100
17) Carbon Disulfide	4.198	76	83290	18.535	ug/l	99
18) Methyl Acetate	4.479	43	30727	21.209	ug/l	96
19) Methyl tert-butyl Ether	5.216	73	57799	18.422	ug/l	97
20) Methylene Chloride	4.710	84	34346	18.413	ug/l	96
21) trans-1,2-Dichloroethene	5.222	96	32454	19.012	ug/l	97
22) Diisopropyl ether	6.119	45	97657	19.772	ug/l	99
23) Vinyl Acetate	6.058	43	267719	93.405	ug/l	97
24) 1,1-Dichloroethane	6.021	63	59030	19.649	ug/l	100
25) 2-Butanone	6.984	43	49057	98.618	ug/l	97
26) 2,2-Dichloropropane	6.984	77	43584	18.883	ug/l	99
27) cis-1,2-Dichloroethene	6.984	96	36520	18.980	ug/l	97
28) Bromochloromethane	7.332	49	19442	17.503	ug/l	97
29) Tetrahydrofuran	7.350	42	31937	92.047	ug/l	98
30) Chloroform	7.509	83	61136	19.357	ug/l	97
31) Cyclohexane	7.789	56	55226	19.387	ug/l #	94
32) 1,1,1-Trichloroethane	7.704	97	52214	19.071	ug/l	99
36) 1,1-Dichloropropene	7.917	75	47465	19.095	ug/l	99
37) Ethyl Acetate	7.076	43	22831	18.494	ug/l	98
38) Carbon Tetrachloride	7.899	117	51174	19.622	ug/l	98
39) Methylcyclohexane	9.185	83	58497	18.853	ug/l	98
40) Benzene	8.161	78	128031	19.073	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.332	41	15868m	22.751	ug/l	
42) 1,2-Dichloroethane	8.240	62	41019	19.896	ug/l	99
43) Isopropyl Acetate	8.271	43	44451	18.570	ug/l	100
44) Trichloroethene	8.941	130	34403	18.537	ug/l	96
45) 1,2-Dichloropropane	9.216	63	32484	19.449	ug/l	98
46) Dibromomethane	9.307	93	18400	18.507	ug/l	99
47) Bromodichloromethane	9.496	83	46670	18.796	ug/l	96
48) Methyl methacrylate	9.289	41	19540	18.250	ug/l	96
49) 1,4-Dioxane	9.313	88	3792	365.203	ug/l	97
51) 4-Methyl-2-Pentanone	10.069	43	112483	95.144	ug/l	97
52) Toluene	10.246	92	80837	18.854	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	48436	18.631	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	55513	18.963	ug/l	97
55) 1,1,2-Trichloroethane	10.648	97	26235	19.403	ug/l	97
56) Ethyl methacrylate	10.508	69	35027	18.484	ug/l	96
57) 1,3-Dichloropropane	10.795	76	44153	18.638	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.783	63	77895	90.037	ug/l	99
59) 2-Hexanone	10.831	43	75238	97.449	ug/l	96
60) Dibromochloromethane	10.984	129	30750	18.261	ug/l	99
61) 1,2-Dibromoethane	11.087	107	24716	18.265	ug/l	99
64) Tetrachloroethene	10.721	164	28405	19.449	ug/l	94
65) Chlorobenzene	11.514	112	86418	19.533	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	31577	19.197	ug/l	99
67) Ethyl Benzene	11.593	91	162012	19.508	ug/l	99
68) m/p-Xylenes	11.703	106	120599	38.803	ug/l	100
69) o-Xylene	12.032	106	56471	19.426	ug/l	99
70) Styrene	12.044	104	94629	19.242	ug/l	98
71) Bromoform	12.209	173	17410	18.501	ug/l #	98
73) Isopropylbenzene	12.331	105	151949	19.384	ug/l	100
74) N-amyl acetate	12.142	43	38573	19.168	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.581	83	28135	18.776	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	17464m	16.237	ug/l	
77) Bromobenzene	12.611	156	32507	18.832	ug/l	97
78) n-propylbenzene	12.672	91	190453	19.886	ug/l	99
79) 2-Chlorotoluene	12.758	91	105278	19.334	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	124924	19.398	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	10122	17.990	ug/l #	96
82) 4-Chlorotoluene	12.855	91	108748	19.338	ug/l	99
83) tert-Butylbenzene	13.075	119	108016	19.082	ug/l	97
84) 1,2,4-Trimethylbenzene	13.123	105	125430	19.774	ug/l	98
85) sec-Butylbenzene	13.258	105	162124	19.574	ug/l	100
86) p-Isopropyltoluene	13.373	119	133754	19.682	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	65043	19.491	ug/l	100
88) 1,4-Dichlorobenzene	13.447	146	63844	19.168	ug/l	99
89) n-Butylbenzene	13.696	91	131650	19.862	ug/l	99
90) Hexachloroethane	13.959	117	25712	19.121	ug/l	100
91) 1,2-Dichlorobenzene	13.739	146	56961	19.389	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	4591	18.361	ug/l	93
93) 1,2,4-Trichlorobenzene	15.007	180	32291	18.476	ug/l	99
94) Hexachlorobutadiene	15.111	225	17660	19.598	ug/l	97
95) Naphthalene	15.239	128	66453	18.162	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	26975	18.327	ug/l	99

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

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