

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032522\
 Data File : VY008031.D
 Acq On : 25 Mar 2022 17:23
 Operator : SY/MD
 Sample : VSTDICC100
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC100

Quant Time: Mar 25 17:56:54 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032522S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 25 17:52:46 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/26/2022
 Supervised By : Mahesh Dadoda 03/28/2022

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	194898	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	319078	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	288832	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	140868	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	186521	70.375	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	140.760%
35) Dibromofluoromethane	7.716	113	206707	96.863	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	193.720%#
50) Toluene-d8	10.179	98	769503	99.339	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	198.680%#
62) 4-Bromofluorobenzene	12.483	95	261546	89.117	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	178.240%#
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	179077	79.671	ug/l	98
3) Chloromethane	2.113	50	196853	65.080	ug/l	96
4) Vinyl Chloride	2.247	62	272522	77.290	ug/l	98
5) Bromomethane	2.637	94	210835	74.138	ug/l	99
6) Chloroethane	2.790	64	176916	76.879	ug/l	98
7) Trichlorofluoromethane	3.119	101	350523	82.040	ug/l	96
8) Diethyl Ether	3.528	74	112957	67.423	ug/l	70
9) 1,1,2-Trichlorotrifluo...	3.893	101	217035	82.016	ug/l	92
10) Methyl Iodide	4.088	142	267666	97.304	ug/l	91
11) Tert butyl alcohol	4.954	59	93485	288.719	ug/l #	94
12) 1,1-Dichloroethene	3.869	96	202498	79.353	ug/l	81
13) Acrolein	3.729	56	70303	254.439	ug/l	97
14) Allyl chloride	4.473	41	262396	62.558	ug/l #	90
15) Acrylonitrile	5.161	53	257865	282.673	ug/l	98
16) Acetone	3.948	43	213146	274.810	ug/l #	85
17) Carbon Disulfide	4.192	76	579839	74.202	ug/l	100
18) Methyl Acetate	4.473	43	107526	45.128	ug/l #	79
19) Methyl tert-butyl Ether	5.216	73	565464	67.376	ug/l	93
20) Methylene Chloride	4.716	84	219793	59.471	ug/l #	77
21) trans-1,2-Dichloroethene	5.216	96	236894	78.405	ug/l #	81
22) Diisopropyl ether	6.119	45	554642	61.199	ug/l #	88
23) Vinyl Acetate	6.058	43	1814277	294.144	ug/l #	83
24) 1,1-Dichloroethane	6.015	63	372543	72.242	ug/l	97
25) 2-Butanone	6.984	43	316138	267.360	ug/l #	75
26) 2,2-Dichloropropane	6.978	77	362665	78.270	ug/l	93
27) cis-1,2-Dichloroethene	6.984	96	271302	77.272	ug/l	80
28) Bromochloromethane	7.332	49	99432	54.251	ug/l #	62
29) Tetrahydrofuran	7.344	42	203190	259.396	ug/l #	71
30) Chloroform	7.502	83	405532	74.043	ug/l	99
31) Cyclohexane	7.783	56	330362	68.130	ug/l #	82
32) 1,1,1-Trichloroethane	7.698	97	383048	81.467	ug/l	93
36) 1,1-Dichloropropene	7.917	75	313580	86.787	ug/l	94
37) Ethyl Acetate	7.070	43	141511	60.124	ug/l #	89
38) Carbon Tetrachloride	7.899	117	354020	96.612	ug/l	99
39) Methylcyclohexane	9.179	83	424913	90.470	ug/l #	83
40) Benzene	8.161	78	893746	84.320	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	78699m	29.957	ug/l	
42) 1,2-Dichloroethane	8.234	62	243942	74.622	ug/l	88
43) Isopropyl Acetate	8.271	43	275336	62.532	ug/l #	83
44) Trichloroethene	8.941	130	266825	94.006	ug/l	98
45) 1,2-Dichloropropane	9.216	63	209078	77.251	ug/l	96
46) Dibromomethane	9.301	93	137350	78.834	ug/l	97
47) Bromodichloromethane	9.496	83	320185	83.227	ug/l	99
48) Methyl methacrylate	9.289	41	121896	63.793	ug/l #	77
49) 1,4-Dioxane	9.295	88	36842	1472.653	ug/l #	79
51) 4-Methyl-2-Pentanone	10.069	43	676300	300.636	ug/l #	82
52) Toluene	10.240	92	589373	87.366	ug/l	94
53) t-1,3-Dichloropropene	10.465	75	329972	79.809	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	373095	80.884	ug/l #	82
55) 1,1,2-Trichloroethane	10.642	97	192120	80.839	ug/l	97
56) Ethyl methacrylate	10.508	69	250774	73.794	ug/l #	72
57) 1,3-Dichloropropane	10.788	76	312791	77.215	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.783	63	467922	324.750	ug/l #	86
59) 2-Hexanone	10.831	43	478019	300.780	ug/l	79
60) Dibromochloromethane	10.984	129	246668	90.175	ug/l	100
61) 1,2-Dibromoethane	11.087	107	195229	81.917	ug/l	100
64) Tetrachloroethene	10.715	164	224961	101.594	ug/l	97
65) Chlorobenzene	11.514	112	658210	92.588	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	250540	97.027	ug/l	98
67) Ethyl Benzene	11.593	91	1131010	90.921	ug/l	94
68) m/p-Xylenes	11.703	106	913938	188.274	ug/l	89
69) o-Xylene	12.026	106	438926	93.857	ug/l	88
70) Styrene	12.044	104	722393	92.610	ug/l	94
71) Bromoform	12.209	173	160311	97.601	ug/l #	99
73) Isopropylbenzene	12.331	105	1147026	94.281	ug/l	98
74) N-amyl acetate	12.142	43	230136	62.681	ug/l #	80
75) 1,1,2,2-Tetrachloroethane	12.581	83	214069	75.647	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	155274m	45.607	ug/l	
77) Bromobenzene	12.605	156	275971	95.784	ug/l	86
78) n-propylbenzene	12.672	91	1314268	89.436	ug/l	95
79) 2-Chlorotoluene	12.758	91	733140	87.342	ug/l	93
80) 1,3,5-Trimethylbenzene	12.812	105	935958	93.054	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.380	75	74410	76.125	ug/l #	79
82) 4-Chlorotoluene	12.855	91	745751	86.099	ug/l	93
83) tert-Butylbenzene	13.075	119	851478	97.875	ug/l	92
84) 1,2,4-Trimethylbenzene	13.117	105	905980	91.143	ug/l	95
85) sec-Butylbenzene	13.251	105	1212827	92.467	ug/l	97
86) p-Isopropyltoluene	13.367	119	1031729	96.098	ug/l	96
87) 1,3-Dichlorobenzene	13.367	146	539747	95.918	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	528547	93.757	ug/l	98
89) n-Butylbenzene	13.696	91	915822	89.169	ug/l	96
90) Hexachloroethane	13.959	117	203118	97.341	ug/l	90
91) 1,2-Dichlorobenzene	13.739	146	473120	92.908	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	33339	72.277	ug/l	62
93) 1,2,4-Trichlorobenzene	15.007	180	298694	98.769	ug/l	99
94) Hexachlorobutadiene	15.111	225	154002	105.878	ug/l	98
95) Naphthalene	15.239	128	640939	87.028	ug/l	98
96) 1,2,3-Trichlorobenzene	15.428	180	256845	96.904	ug/l	99

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

