

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032522\
 Data File : VY008030.D
 Acq On : 25 Mar 2022 16:56
 Operator : SY/MD
 Sample : VSTDICCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

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

Quant Time: Mar 25 17:56:01 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

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	183258	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	310707	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	283249	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	144450	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	94996	38.119	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	76.240%		
35) Dibromofluoromethane	7.716	113	100154	48.196	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	96.400%		
50) Toluene-d8	10.179	98	382204	50.670	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	101.340%		
62) 4-Bromofluorobenzene	12.483	95	135850	47.535	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	95.080%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	89180	42.196	ug/l	100
3) Chloromethane	2.113	50	106945	37.602	ug/l	95
4) Vinyl Chloride	2.247	62	143330	43.232	ug/l	98
5) Bromomethane	2.643	94	109841	41.078	ug/l	99
6) Chloroethane	2.790	64	92811	42.893	ug/l	98
7) Trichlorofluoromethane	3.125	101	175036	43.569	ug/l	91
8) Diethyl Ether	3.527	74	58380	37.060	ug/l	71
9) 1,1,2-Trichlorotrifluo...	3.899	101	110835	44.544	ug/l	92
10) Methyl Iodide	4.088	142	131054	50.668	ug/l	91
11) Tert butyl alcohol	4.948	59	52040	170.929	ug/l #	94
12) 1,1-Dichloroethene	3.869	96	101517	42.308	ug/l	85
13) Acrolein	3.723	56	37726	145.210	ug/l	97
14) Allyl chloride	4.479	41	137952	34.978	ug/l #	91
15) Acrylonitrile	5.155	53	141857	165.381	ug/l	98
16) Acetone	3.948	43	119388	163.704	ug/l #	86
17) Carbon Disulfide	4.192	76	297438	40.481	ug/l	100
18) Methyl Acetate	4.472	43	60576	27.038	ug/l #	81
19) Methyl tert-butyl Ether	5.216	73	294175	37.278	ug/l	97
20) Methylene Chloride	4.710	84	114450	32.934	ug/l #	80
21) trans-1,2-Dichloroethene	5.216	96	118240	41.620	ug/l	84
22) Diisopropyl ether	6.118	45	299080	35.097	ug/l #	90
23) Vinyl Acetate	6.057	43	1001718	172.722	ug/l #	86
24) 1,1-Dichloroethane	6.015	63	193919	39.993	ug/l	97
25) 2-Butanone	6.978	43	179629	161.563	ug/l #	79
26) 2,2-Dichloropropane	6.978	77	184959	42.453	ug/l	93
27) cis-1,2-Dichloroethene	6.984	96	136715	41.412	ug/l	82
28) Bromochloromethane	7.332	49	51474	29.868	ug/l #	69
29) Tetrahydrofuran	7.344	42	115585	156.930	ug/l #	73
30) Chloroform	7.502	83	209610	40.702	ug/l	100
31) Cyclohexane	7.783	56	173384	38.028	ug/l #	83
32) 1,1,1-Trichloroethane	7.697	97	195486	44.217	ug/l	94
36) 1,1-Dichloropropene	7.917	75	162838	46.282	ug/l	95
37) Ethyl Acetate	7.069	43	79206	34.559	ug/l #	90
38) Carbon Tetrachloride	7.899	117	178024	49.891	ug/l	98
39) Methylcyclohexane	9.179	83	217716	47.604	ug/l #	85
40) Benzene	8.161	78	462395	44.800	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	35657m	13.939	ug/l	
42) 1,2-Dichloroethane	8.234	62	130126	40.878	ug/l	90
43) Isopropyl Acetate	8.271	43	151857	35.418	ug/l #	84
44) Trichloroethene	8.935	130	132866	48.072	ug/l	95
45) 1,2-Dichloropropane	9.215	63	109933	41.713	ug/l	96
46) Dibromomethane	9.301	93	72841	42.935	ug/l	95
47) Bromodichloromethane	9.496	83	165760	44.248	ug/l	99
48) Methyl methacrylate	9.289	41	67933	36.510	ug/l #	79
49) 1,4-Dioxane	9.295	88	20404	837.565	ug/l #	78
51) 4-Methyl-2-Pentanone	10.069	43	392781	179.307	ug/l #	83
52) Toluene	10.240	92	312373	47.552	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	173162	43.010	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	194130	43.220	ug/l #	82
55) 1,1,2-Trichloroethane	10.642	97	102272	44.193	ug/l	95
56) Ethyl methacrylate	10.508	69	138652	41.899	ug/l #	73
57) 1,3-Dichloropropane	10.788	76	165227	41.887	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.782	63	247118	176.127	ug/l #	89
59) 2-Hexanone	10.831	43	280785	181.436	ug/l	80
60) Dibromochloromethane	10.983	129	124765	46.839	ug/l	99
61) 1,2-Dibromoethane	11.087	107	102820	44.305	ug/l	99
64) Tetrachloroethene	10.715	164	110984	51.109	ug/l	95
65) Chlorobenzene	11.514	112	341650	49.006	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	127750	50.449	ug/l	98
67) Ethyl Benzene	11.593	91	600894	49.258	ug/l	95
68) m/p-Xylenes	11.703	106	484483	101.772	ug/l	90
69) o-Xylene	12.026	106	232400	50.675	ug/l	90
70) Styrene	12.044	104	387471	50.652	ug/l	94
71) Bromoform	12.209	173	80034	49.687	ug/l #	98
73) Isopropylbenzene	12.331	105	613264	49.158	ug/l	99
74) N-amyl acetate	12.142	43	134542	35.736	ug/l #	80
75) 1,1,2,2-Tetrachloroethane	12.581	83	121400	41.836	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	86625m	24.812	ug/l	
77) Bromobenzene	12.605	156	142724	48.308	ug/l	91
78) n-propylbenzene	12.672	91	716533	47.551	ug/l	96
79) 2-Chlorotoluene	12.758	91	399503	46.414	ug/l	95
80) 1,3,5-Trimethylbenzene	12.812	105	503445	48.812	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	42037	41.939	ug/l #	80
82) 4-Chlorotoluene	12.855	91	410433	46.211	ug/l	95
83) tert-Butylbenzene	13.075	119	455589	51.070	ug/l	92
84) 1,2,4-Trimethylbenzene	13.117	105	489213	47.995	ug/l	96
85) sec-Butylbenzene	13.251	105	661587	49.189	ug/l	98
86) p-Isopropyltoluene	13.367	119	559676	50.837	ug/l	96
87) 1,3-Dichlorobenzene	13.367	146	285811	49.532	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	282617	48.889	ug/l	98
89) n-Butylbenzene	13.696	91	502964	47.757	ug/l	98
90) Hexachloroethane	13.959	117	107964	50.457	ug/l	85
91) 1,2-Dichlorobenzene	13.739	146	253592	48.564	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	19074	40.326	ug/l	72
93) 1,2,4-Trichlorobenzene	15.007	180	146051	47.097	ug/l	99
94) Hexachlorobutadiene	15.111	225	74155	49.718	ug/l	98
95) Naphthalene	15.239	128	331285	43.867	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	126342	46.485	ug/l	98

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

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