

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020222\
 Data File : VY007347.D
 Acq On : 02 Feb 2022 11:15
 Operator : SY/MD
 Sample : VSTDICC005
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/03/2022
 Supervised By : Mahesh Dadoda 02/07/2022

Quant Time: Feb 03 04:23:45 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020222S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 03 04:23:41 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	133098	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	221545	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	192760	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	84857	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	7814	5.104	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	10.200%#		
35) Dibromofluoromethane	7.716	113	7392	5.196	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	10.400%#		
50) Toluene-d8	10.185	98	27088	5.154	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	10.300%#		
62) 4-Bromofluorobenzene	12.489	95	9490	5.312	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	10.620%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	8290	5.320	ug/l	96
3) Chloromethane	2.119	50	12895	6.752	ug/l	96
4) Vinyl Chloride	2.259	62	10347	5.631	ug/l	93
5) Bromomethane	2.662	94	6183	5.555	ug/l	96
6) Chloroethane	2.802	64	6204	5.497	ug/l	97
7) Trichlorofluoromethane	3.137	101	16342	5.488	ug/l	96
8) Diethyl Ether	3.533	74	4607	5.212	ug/l	89
9) 1,1,2-Trichlorotrifluo...	3.911	101	9172	5.469	ug/l	94
10) Methyl Iodide	4.094	142	8096	4.478	ug/l	98
11) Tert butyl alcohol	4.948	59	11136	45.468	ug/l #	86
12) 1,1-Dichloroethene	3.881	96	8583	5.540	ug/l	88
13) Acrolein	3.741	56	5185	25.211	ug/l	99
14) Allyl chloride	4.491	41	13267	5.576	ug/l #	96
15) Acrylonitrile	5.167	53	11102	26.734	ug/l	99
16) Acetone	3.954	43	11984	24.102	ug/l	92
17) Carbon Disulfide	4.204	76	26360	5.420	ug/l	100
18) Methyl Acetate	4.485	43	5103	5.480	ug/l #	89
19) Methyl tert-butyl Ether	5.228	73	23474	5.378	ug/l	99
20) Methylene Chloride	4.722	84	11369	6.539	ug/l #	82
21) trans-1,2-Dichloroethene	5.228	96	9522	5.556	ug/l	83
22) Diisopropyl ether	6.118	45	28400	5.696	ug/l	92
23) Vinyl Acetate	6.064	43	86661	26.653	ug/l	95
24) 1,1-Dichloroethane	6.027	63	16894	5.611	ug/l	94
25) 2-Butanone	6.990	43	15065	25.078	ug/l	95
26) 2,2-Dichloropropane	6.990	77	16320	5.664	ug/l	96
27) cis-1,2-Dichloroethene	6.990	96	10295	5.438	ug/l	94
28) Bromochloromethane	7.344	49	6560	5.572	ug/l	93
29) Tetrahydrofuran	7.356	42	9437	27.185	ug/l #	90
30) Chloroform	7.514	83	17871	5.705	ug/l	97
31) Cyclohexane	7.789	56	18187	6.088	ug/l #	74
32) 1,1,1-Trichloroethane	7.703	97	16470	5.657	ug/l	96
36) 1,1-Dichloropropene	7.923	75	13963	5.614	ug/l	96
37) Ethyl Acetate	7.082	43	6954	5.624	ug/l #	95
38) Carbon Tetrachloride	7.905	117	14568	5.575	ug/l	96
39) Methylcyclohexane	9.185	83	17657	5.653	ug/l	94
40) Benzene	8.167	78	37233	5.648	ug/l	93

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	3334m	4.237	ug/l	
42) 1,2-Dichloroethane	8.240	62	11027	5.502	ug/l	94
43) Isopropyl Acetate	8.277	43	12279	5.310	ug/l #	90
44) Trichloroethene	8.947	130	9866	5.535	ug/l	97
45) 1,2-Dichloropropane	9.221	63	9542	5.870	ug/l	92
46) Dibromomethane	9.307	93	5492	5.679	ug/l	89
47) Bromodichloromethane	9.502	83	12803	5.474	ug/l	94
48) Methyl methacrylate	9.295	41	5573	5.329	ug/l	89
49) 1,4-Dioxane	9.307	88	937	88.447	ug/l	99
51) 4-Methyl-2-Pentanone	10.075	43	30620	26.110	ug/l	93
52) Toluene	10.246	92	23609	5.684	ug/l	93
53) t-1,3-Dichloropropene	10.471	75	12951	5.301	ug/l	98
54) cis-1,3-Dichloropropene	9.935	75	14723	5.380	ug/l	87
55) 1,1,2-Trichloroethane	10.648	97	6933	5.458	ug/l	95
56) Ethyl methacrylate	10.514	69	8994	5.098	ug/l	87
57) 1,3-Dichloropropane	10.794	76	12677	5.629	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	22356	24.360	ug/l	95
59) 2-Hexanone	10.837	43	20530	24.012	ug/l	89
60) Dibromochloromethane	10.989	129	8594	5.435	ug/l	97
61) 1,2-Dibromoethane	11.093	107	6684	5.319	ug/l	97
64) Tetrachloroethene	10.721	164	8806	5.821	ug/l	89
65) Chlorobenzene	11.520	112	24176	5.638	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	9064	5.662	ug/l	94
67) Ethyl Benzene	11.593	91	45162	5.550	ug/l	95
68) m/p-Xylenes	11.703	106	32714	10.855	ug/l	96
69) o-Xylene	12.032	106	15898	5.579	ug/l	97
70) Styrene	12.044	104	24685	5.255	ug/l	100
71) Bromoform	12.209	173	4687	5.307	ug/l #	97
73) Isopropylbenzene	12.331	105	44027	5.677	ug/l	98
74) N-amyl acetate	12.148	43	9683	5.044	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.587	83	7922	5.594	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	5336m	5.220	ug/l	
77) Bromobenzene	12.611	156	9199	5.631	ug/l	98
78) n-propylbenzene	12.672	91	52110	5.547	ug/l	100
79) 2-Chlorotoluene	12.757	91	29177	5.610	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	35100	5.548	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.386	75	2546	5.056	ug/l	85
82) 4-Chlorotoluene	12.855	91	30495	5.709	ug/l	98
83) tert-Butylbenzene	13.074	119	31489	5.717	ug/l	97
84) 1,2,4-Trimethylbenzene	13.123	105	34479	5.535	ug/l	96
85) sec-Butylbenzene	13.257	105	46553	5.635	ug/l	96
86) p-Isopropyltoluene	13.373	119	36842	5.475	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	17294	5.460	ug/l	96
88) 1,4-Dichlorobenzene	13.446	146	17794	5.636	ug/l	93
89) n-Butylbenzene	13.696	91	35839	5.533	ug/l	98
90) Hexachloroethane	13.958	117	6979	5.488	ug/l	81
91) 1,2-Dichlorobenzene	13.739	146	15585	5.590	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	1264	5.492	ug/l	91
93) 1,2,4-Trichlorobenzene	15.007	180	8697	5.268	ug/l	98
94) Hexachlorobutadiene	15.111	225	5142	5.626	ug/l	97
95) Naphthalene	15.239	128	16778	4.890	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	7496	5.379	ug/l	98

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

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