

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021422\
 Data File : VY007492.D
 Acq On : 14 Feb 2022 13:02
 Operator : SY/MD
 Sample : VSTDICCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/15/2022
 Supervised By : Mahesh Dadoda 02/21/2022

Quant Time: Feb 15 03:46:20 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	142094	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	230064	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	201001	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	89895	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	75826	48.660	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.320%		
35) Dibromofluoromethane	7.728	113	73417	50.609	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	101.220%		
50) Toluene-d8	10.185	98	281468	51.042	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	102.080%		
62) 4-Bromofluorobenzene	12.483	95	92661	49.256	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	98.520%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	78364	49.460	ug/l	98
3) Chloromethane	2.119	50	74341	47.875	ug/l	96
4) Vinyl Chloride	2.259	62	69940	44.928	ug/l	97
5) Bromomethane	2.662	94	45569	41.053	ug/l	98
6) Chloroethane	2.802	64	39763	42.329	ug/l	100
7) Trichlorofluoromethane	3.137	101	151338	50.485	ug/l	93
8) Diethyl Ether	3.540	74	42050	48.923	ug/l	79
9) 1,1,2-Trichlorotrifluo...	3.911	101	83891	50.695	ug/l	95
10) Methyl Iodide	4.100	142	103107	52.209	ug/l	94
11) Tert butyl alcohol	4.954	59	29229	237.413	ug/l #	93
12) 1,1-Dichloroethene	3.881	96	78315	51.057	ug/l	92
13) Acrolein	3.741	56	24029	198.757	ug/l	98
14) Allyl chloride	4.491	41	109316	50.782	ug/l #	90
15) Acrylonitrile	5.173	53	91893	244.415	ug/l	99
16) Acetone	3.954	43	113021	273.339	ug/l	94
17) Carbon Disulfide	4.204	76	221260	50.259	ug/l	99
18) Methyl Acetate	4.478	43	39341	44.682	ug/l #	86
19) Methyl tert-butyl Ether	5.228	73	209183	49.264	ug/l	96
20) Methylene Chloride	4.728	84	80718	47.076	ug/l #	81
21) trans-1,2-Dichloroethene	5.228	96	84702	50.716	ug/l	85
22) Diisopropyl ether	6.124	45	222701	49.816	ug/l #	96
23) Vinyl Acetate	6.070	43	722307	252.876	ug/l #	92
24) 1,1-Dichloroethane	6.027	63	143372	51.164	ug/l	99
25) 2-Butanone	6.990	43	130287	256.182	ug/l #	84
26) 2,2-Dichloropropane	6.984	77	145904	51.542	ug/l	97
27) cis-1,2-Dichloroethene	6.996	96	94153	50.596	ug/l	88
28) Bromochloromethane	7.344	49	55435	51.661	ug/l #	77
29) Tetrahydrofuran	7.350	42	71295	241.160	ug/l #	82
30) Chloroform	7.514	83	154846	50.902	ug/l	100
31) Cyclohexane	7.789	56	134014	48.899	ug/l	90
32) 1,1,1-Trichloroethane	7.710	97	151073	51.732	ug/l	95
36) 1,1-Dichloropropene	7.923	75	121094	51.859	ug/l	97
37) Ethyl Acetate	7.076	43	52575	50.304	ug/l #	96
38) Carbon Tetrachloride	7.911	117	139423	52.208	ug/l	98
39) Methylcyclohexane	9.191	83	157127	52.038	ug/l #	87
40) Benzene	8.167	78	328323	51.267	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.325	41	31463m	39.827	ug/l	
42) 1,2-Dichloroethane	8.240	62	98617	50.059	ug/l	94
43) Isopropyl Acetate	8.277	43	105809	49.821	ug/l #	90
44) Trichloroethene	8.947	130	94783	51.740	ug/l	96
45) 1,2-Dichloropropane	9.221	63	78238	51.667	ug/l	95
46) Dibromomethane	9.313	93	46807	49.631	ug/l	94
47) Bromodichloromethane	9.502	83	119056	51.899	ug/l	98
48) Methyl methacrylate	9.295	41	45728	48.836	ug/l #	82
49) 1,4-Dioxane	9.307	88	9961	973.845	ug/l #	84
51) 4-Methyl-2-Pentanone	10.075	43	264511	251.305	ug/l	90
52) Toluene	10.246	92	212841	51.569	ug/l	97
53) t-1,3-Dichloropropene	10.471	75	123511	51.481	ug/l	99
54) cis-1,3-Dichloropropene	9.935	75	137429	51.299	ug/l #	86
55) 1,1,2-Trichloroethane	10.648	97	63186	49.855	ug/l	98
56) Ethyl methacrylate	10.514	69	86759	51.482	ug/l #	82
57) 1,3-Dichloropropane	10.794	76	109804	50.954	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.788	63	221831	251.769	ug/l	92
59) 2-Hexanone	10.837	43	202007	265.827	ug/l	89
60) Dibromochloromethane	10.989	129	81599	51.181	ug/l	99
61) 1,2-Dibromoethane	11.093	107	62270	49.783	ug/l	98
64) Tetrachloroethene	10.727	164	81358	51.413	ug/l	97
65) Chlorobenzene	11.520	112	226386	51.695	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	85622	51.546	ug/l	98
67) Ethyl Benzene	11.599	91	427600	52.263	ug/l	100
68) m/p-Xylenes	11.709	106	319792	103.144	ug/l	99
69) o-Xylene	12.032	106	151713	51.429	ug/l	98
70) Styrene	12.050	104	249772	51.708	ug/l	99
71) Bromoform	12.215	173	47101	51.361	ug/l #	98
73) Isopropylbenzene	12.331	105	414558	52.243	ug/l	99
74) N-amyl acetate	12.148	43	92088	51.912	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.587	83	69026	50.971	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	48158m	40.696	ug/l	
77) Bromobenzene	12.611	156	87542	51.265	ug/l	97
78) n-propylbenzene	12.672	91	502378	52.713	ug/l	99
79) 2-Chlorotoluene	12.757	91	275567	52.392	ug/l	100
80) 1,3,5-Trimethylbenzene	12.818	105	345206	52.530	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.379	75	26103	52.307	ug/l	86
82) 4-Chlorotoluene	12.861	91	282573	52.274	ug/l	99
83) tert-Butylbenzene	13.081	119	301439	52.444	ug/l	97
84) 1,2,4-Trimethylbenzene	13.123	105	335010	52.737	ug/l	99
85) sec-Butylbenzene	13.257	105	448964	53.081	ug/l	99
86) p-Isopropyltoluene	13.373	119	367055	52.613	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	173496	52.220	ug/l	99
88) 1,4-Dichlorobenzene	13.452	146	170199	51.639	ug/l	98
89) n-Butylbenzene	13.702	91	351675	52.925	ug/l	99
90) Hexachloroethane	13.965	117	69784	52.391	ug/l	83
91) 1,2-Dichlorobenzene	13.745	146	149803	51.152	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	11402	49.462	ug/l	89
93) 1,2,4-Trichlorobenzene	15.013	180	91740	51.993	ug/l	98
94) Hexachlorobutadiene	15.117	225	53751	52.440	ug/l	99
95) Naphthalene	15.239	128	189667	49.534	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	78477	51.505	ug/l	98

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

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