

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020222\
 Data File : VY007348.D
 Acq On : 02 Feb 2022 11:39
 Operator : SY/MD
 Sample : VSTDIC010
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Quant Time: Feb 03 04:24:23 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

Manual Integrations APPROVED

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

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	144812	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	242520	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	212019	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	93535	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	16721	10.038	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	20.080%#		
35) Dibromofluoromethane	7.722	113	16235	10.425	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	20.860%#		
50) Toluene-d8	10.185	98	59125	10.276	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	20.560%#		
62) 4-Bromofluorobenzene	12.483	95	20757	10.614	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	21.220%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	16878	9.955	ug/l	100
3) Chloromethane	2.119	50	20584	9.906	ug/l	94
4) Vinyl Chloride	2.260	62	18324	9.165	ug/l	99
5) Bromomethane	2.656	94	11166	9.220	ug/l	90
6) Chloroethane	2.802	64	11290	9.195	ug/l	92
7) Trichlorofluoromethane	3.137	101	29414	9.079	ug/l	96
8) Diethyl Ether	3.540	74	9160	9.525	ug/l	82
9) 1,1,2-Trichlorotrifluo...	3.906	101	16897	9.260	ug/l	91
10) Methyl Iodide	4.101	142	16885	8.584	ug/l	94
11) Tert butyl alcohol	4.954	59	14483	54.351	ug/l #	94
12) 1,1-Dichloroethene	3.881	96	15192	9.013	ug/l	87
13) Acrolein	3.735	56	10073	45.016	ug/l	100
14) Allyl chloride	4.491	41	22580	8.722	ug/l #	92
15) Acrylonitrile	5.174	53	21039	46.564	ug/l	99
16) Acetone	3.954	43	22344	41.303	ug/l	93
17) Carbon Disulfide	4.204	76	47518	8.980	ug/l	99
18) Methyl Acetate	4.491	43	9368	9.246	ug/l	93
19) Methyl tert-butyl Ether	5.229	73	43148	9.086	ug/l	97
20) Methylene Chloride	4.729	84	17686	9.350	ug/l	85
21) trans-1,2-Dichloroethene	5.229	96	16733	8.974	ug/l	85
22) Diisopropyl ether	6.125	45	49814	9.183	ug/l #	94
23) Vinyl Acetate	6.064	43	162746	46.004	ug/l	96
24) 1,1-Dichloroethane	6.027	63	30042	9.170	ug/l	98
25) 2-Butanone	6.984	43	27667	42.330	ug/l	93
26) 2,2-Dichloropropane	6.984	77	28220	9.002	ug/l	99
27) cis-1,2-Dichloroethene	6.990	96	19020	9.235	ug/l	90
28) Bromochloromethane	7.338	49	11687	9.124	ug/l	90
29) Tetrahydrofuran	7.350	42	17259	45.697	ug/l	90
30) Chloroform	7.515	83	30841	9.050	ug/l	96
31) Cyclohexane	7.789	56	30199	9.291	ug/l #	76
32) 1,1,1-Trichloroethane	7.710	97	27557	8.700	ug/l	96
36) 1,1-Dichloropropene	7.923	75	24922	9.154	ug/l	99
37) Ethyl Acetate	7.076	43	12931	9.554	ug/l	97
38) Carbon Tetrachloride	7.905	117	25311	8.849	ug/l	97
39) Methylcyclohexane	9.185	83	29855	8.732	ug/l	95
40) Benzene	8.167	78	65012	9.009	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	6433m	7.469	ug/l	
42) 1,2-Dichloroethane	8.240	62	20080	9.153	ug/l	94
43) Isopropyl Acetate	8.283	43	22479	8.880	ug/l #	93
44) Trichloroethene	8.941	130	17853	9.150	ug/l	97
45) 1,2-Dichloropropane	9.216	63	16020	9.003	ug/l	95
46) Dibromomethane	9.307	93	9725	9.186	ug/l	94
47) Bromodichloromethane	9.502	83	23388	9.135	ug/l	98
48) Methyl methacrylate	9.295	41	9986	8.723	ug/l #	87
49) 1,4-Dioxane	9.307	88	1970	169.874	ug/l	91
51) 4-Methyl-2-Pentanone	10.075	43	57800	45.023	ug/l	94
52) Toluene	10.246	92	41074	9.033	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	23938	8.950	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	26873	8.971	ug/l #	87
55) 1,1,2-Trichloroethane	10.648	97	12793	9.201	ug/l	89
56) Ethyl methacrylate	10.508	69	17100	8.854	ug/l	86
57) 1,3-Dichloropropane	10.789	76	22777	9.239	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.789	63	47242	47.025	ug/l	96
59) 2-Hexanone	10.831	43	40217	42.970	ug/l	89
60) Dibromochloromethane	10.984	129	15596	9.010	ug/l	99
61) 1,2-Dibromoethane	11.093	107	12866	9.353	ug/l	99
64) Tetrachloroethene	10.721	164	15454	9.288	ug/l	96
65) Chlorobenzene	11.520	112	42691	9.051	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	15620	8.872	ug/l	97
67) Ethyl Benzene	11.593	91	81177	9.070	ug/l	98
68) m/p-Xylenes	11.703	106	59316	17.894	ug/l	100
69) o-Xylene	12.032	106	27762	8.858	ug/l	97
70) Styrene	12.044	104	46379	8.977	ug/l	98
71) Bromoform	12.209	173	8827	9.087	ug/l #	100
73) Isopropylbenzene	12.331	105	76422	8.940	ug/l	98
74) N-amyl acetate	12.148	43	18303	8.650	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.587	83	14224	9.112	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	9882m	8.770	ug/l	
77) Bromobenzene	12.611	156	16529	9.179	ug/l	99
78) n-propylbenzene	12.672	91	92081	8.893	ug/l	99
79) 2-Chlorotoluene	12.758	91	51946	9.061	ug/l	99
80) 1,3,5-Trimethylbenzene	12.813	105	62610	8.978	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.380	75	4827	8.697	ug/l	91
82) 4-Chlorotoluene	12.855	91	52028	8.836	ug/l	100
83) tert-Butylbenzene	13.075	119	54331	8.949	ug/l	97
84) 1,2,4-Trimethylbenzene	13.123	105	61320	8.931	ug/l	98
85) sec-Butylbenzene	13.251	105	82173	9.024	ug/l	99
86) p-Isopropyltoluene	13.373	119	66490	8.964	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	31764	9.098	ug/l	98
88) 1,4-Dichlorobenzene	13.447	146	31334	9.004	ug/l	96
89) n-Butylbenzene	13.697	91	63391	8.879	ug/l	98
90) Hexachloroethane	13.965	117	12300	8.774	ug/l	78
91) 1,2-Dichlorobenzene	13.739	146	28458	9.261	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	2291	9.031	ug/l	98
93) 1,2,4-Trichlorobenzene	15.013	180	15873	8.722	ug/l	96
94) Hexachlorobutadiene	15.111	225	9029	8.962	ug/l	98
95) Naphthalene	15.233	128	31140	8.234	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	12924	8.413	ug/l	96

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

