

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031722\
 Data File : VY007875.D
 Acq On : 17 Mar 2022 13:15
 Operator : SY/MD
 Sample : VSTDICCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/18/2022
 Supervised By : Mahesh Dadoda 03/18/2022

Quant Time: Mar 17 13:37:02 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y031722S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 17 13:35:14 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	343953	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	560489	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	494304	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	237023	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	160072	44.454	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	88.900%		
35) Dibromofluoromethane	7.716	113	170952	47.707	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	95.420%		
50) Toluene-d8	10.179	98	584164	44.286	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	88.580%		
62) 4-Bromofluorobenzene	12.483	95	229909	54.072	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	108.140%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	103747	40.394	ug/l	99
3) Chloromethane	2.113	50	130312	30.592	ug/l	97
4) Vinyl Chloride	2.253	62	161242	31.248	ug/l	99
5) Bromomethane	2.650	94	119209	28.585	ug/l	100
6) Chloroethane	2.796	64	111286	28.123	ug/l	98
7) Trichlorofluoromethane	3.125	101	259890	44.082	ug/l	94
8) Diethyl Ether	3.528	74	99100	52.239	ug/l	82
9) 1,1,2-Trichlorotrifluo...	3.899	101	169420	47.076	ug/l	95
10) Methyl Iodide	4.088	142	163879	37.427	ug/l #	87
11) Tert butyl alcohol	4.954	59	101236	324.725	ug/l	96
12) 1,1-Dichloroethene	3.875	96	151131	47.317	ug/l	82
13) Acrolein	3.729	56	30303	95.643	ug/l	98
14) Allyl chloride	4.479	41	260114	54.143	ug/l #	90
15) Acrylonitrile	5.161	53	279375	278.999	ug/l	98
16) Acetone	3.942	43	254063	346.836	ug/l #	87
17) Carbon Disulfide	4.192	76	325876	37.452	ug/l	100
18) Methyl Acetate	4.473	43	117208	46.451	ug/l #	88
19) Methyl tert-butyl Ether	5.222	73	516759	52.129	ug/l	94
20) Methylene Chloride	4.716	84	201390	49.416	ug/l #	82
21) trans-1,2-Dichloroethene	5.222	96	169307	45.429	ug/l	84
22) Diisopropyl ether	6.112	45	589199	51.338	ug/l #	97
23) Vinyl Acetate	6.058	43	1978349	272.582	ug/l #	92
24) 1,1-Dichloroethane	6.015	63	325404	46.926	ug/l	98
25) 2-Butanone	6.984	43	380236	309.432	ug/l #	87
26) 2,2-Dichloropropane	6.978	77	307969	49.905	ug/l	94
27) cis-1,2-Dichloroethene	6.984	96	215164	49.235	ug/l	88
28) Bromochloromethane	7.332	49	142107	48.187	ug/l #	82
29) Tetrahydrofuran	7.344	42	234209	278.555	ug/l #	87
30) Chloroform	7.509	83	343609	47.828	ug/l	100
31) Cyclohexane	7.783	56	266708	42.390	ug/l	92
32) 1,1,1-Trichloroethane	7.704	97	303286	47.435	ug/l	96
36) 1,1-Dichloropropene	7.917	75	241061	42.764	ug/l	97
37) Ethyl Acetate	7.070	43	157693	50.649	ug/l #	92
38) Carbon Tetrachloride	7.899	117	265461	44.147	ug/l	97
39) Methylcyclohexane	9.185	83	302700	43.693	ug/l	90
40) Benzene	8.161	78	717547	45.739	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	89550m	60.188	ug/l	
42) 1,2-Dichloroethane	8.234	62	215782	44.080	ug/l	91
43) Isopropyl Acetate	8.271	43	307210	53.356	ug/l #	92
44) Trichloroethene	8.941	130	200860	46.101	ug/l	98
45) 1,2-Dichloropropane	9.216	63	192379	47.420	ug/l	95
46) Dibromomethane	9.307	93	113324	46.535	ug/l	96
47) Bromodichloromethane	9.496	83	274698	48.093	ug/l	100
48) Methyl methacrylate	9.289	41	132985	53.285	ug/l #	86
49) 1,4-Dioxane	9.295	88	31223	1062.016	ug/l #	84
51) 4-Methyl-2-Pentanone	10.069	43	807264	262.032	ug/l	90
52) Toluene	10.246	92	462070	45.553	ug/l	94
53) t-1,3-Dichloropropene	10.465	75	290798	49.588	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	323401	49.915	ug/l #	88
55) 1,1,2-Trichloroethane	10.642	97	165143	49.847	ug/l	97
56) Ethyl methacrylate	10.508	69	238288	54.175	ug/l #	81
57) 1,3-Dichloropropane	10.789	76	274978	49.083	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.783	63	621952	259.283	ug/l	94
59) 2-Hexanone	10.831	43	587460	283.158	ug/l	89
60) Dibromochloromethane	10.984	129	201664	51.121	ug/l	100
61) 1,2-Dibromoethane	11.087	107	157870	49.994	ug/l	99
64) Tetrachloroethene	10.721	164	160328	43.757	ug/l	97
65) Chlorobenzene	11.514	112	513564	47.688	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	200422	49.767	ug/l	97
67) Ethyl Benzene	11.593	91	903731	46.534	ug/l	97
68) m/p-Xylenes	11.703	106	701162	94.095	ug/l	93
69) o-Xylene	12.032	106	343012	48.576	ug/l	93
70) Styrene	12.044	104	590978	49.983	ug/l	96
71) Bromoform	12.209	173	129853	51.785	ug/l #	99
73) Isopropylbenzene	12.331	105	912968	49.442	ug/l	99
74) N-amyl acetate	12.142	43	277678	56.491	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.581	83	204281	52.747	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	154185m	58.249	ug/l	
77) Bromobenzene	12.611	156	210858	49.576	ug/l	99
78) n-propylbenzene	12.672	91	1093033	49.055	ug/l	98
79) 2-Chlorotoluene	12.758	91	618944	51.911	ug/l	97
80) 1,3,5-Trimethylbenzene	12.813	105	747989	50.660	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	73746	56.957	ug/l #	83
82) 4-Chlorotoluene	12.855	91	649879	52.990	ug/l	99
83) tert-Butylbenzene	13.075	119	679714	50.048	ug/l	96
84) 1,2,4-Trimethylbenzene	13.123	105	735832	50.595	ug/l	98
85) sec-Butylbenzene	13.251	105	1008754	50.211	ug/l	99
86) p-Isopropyltoluene	13.367	119	818571	49.332	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	415013	49.035	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	412966	49.438	ug/l	98
89) n-Butylbenzene	13.697	91	789554	50.346	ug/l	98
90) Hexachloroethane	13.965	117	167221	53.165	ug/l	87
91) 1,2-Dichlorobenzene	13.739	146	377342	50.210	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	33411	56.966	ug/l	77
93) 1,2,4-Trichlorobenzene	15.007	180	244355	51.358	ug/l	98
94) Hexachlorobutadiene	15.117	225	127234	45.231	ug/l	99
95) Naphthalene	15.239	128	551568	56.986	ug/l	98
96) 1,2,3-Trichlorobenzene	15.428	180	217274	51.239	ug/l	99

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

