

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022822\
 Data File : VY007657.D
 Acq On : 28 Feb 2022 18:13
 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 03/01/2022
 Supervised By : Mahesh Dadoda 03/01/2022

Quant Time: Mar 01 07:05:04 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022822S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 01 07:02:33 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	393674	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	612234	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	556037	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	278924	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	192750	43.835	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	87.660%
35) Dibromofluoromethane	7.716	113	187181	47.623	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.240%
50) Toluene-d8	10.179	98	676082	49.171	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	98.340%
62) 4-Bromofluorobenzene	12.483	95	223259	44.509	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	89.020%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	128844	28.043	ug/l	99
3) Chloromethane	2.113	50	210310	40.569	ug/l	96
4) Vinyl Chloride	2.253	62	280324	47.245	ug/l	100
5) Bromomethane	2.650	94	204633	47.526	ug/l	98
6) Chloroethane	2.796	64	205594	52.924	ug/l	100
7) Trichlorofluoromethane	3.125	101	309726	29.490	ug/l	93
8) Diethyl Ether	3.528	74	105274	38.077	ug/l	79
9) 1,1,2-Trichlorotrifluo...	3.900	101	195282	41.140	ug/l	95
10) Methyl Iodide	4.089	142	240647	42.305	ug/l	92
11) Tert butyl alcohol	4.960	59	89499	205.368	ug/l #	93
12) 1,1-Dichloroethene	3.869	96	171276	39.400	ug/l	89
13) Acrolein	3.729	56	75617	143.135	ug/l	96
14) Allyl chloride	4.479	41	268439	60.329	ug/l #	91
15) Acrylonitrile	5.168	53	286826	276.888	ug/l	98
16) Acetone	3.948	43	202834	206.384	ug/l	97
17) Carbon Disulfide	4.192	76	447353	40.570	ug/l	98
18) Methyl Acetate	4.479	43	124099	51.628	ug/l #	89
19) Methyl tert-butyl Ether	5.216	73	562955	46.520	ug/l	95
20) Methylene Chloride	4.716	84	204678	37.463	ug/l	87
21) trans-1,2-Dichloroethene	5.216	96	199854	44.462	ug/l	90
22) Diisopropyl ether	6.119	45	646516	66.110	ug/l #	95
23) Vinyl Acetate	6.058	43	2154430	314.540	ug/l #	93
24) 1,1-Dichloroethane	6.015	63	380832	54.600	ug/l	99
25) 2-Butanone	6.984	43	355352	291.181	ug/l #	89
26) 2,2-Dichloropropane	6.978	77	349162	46.386	ug/l	97
27) cis-1,2-Dichloroethene	6.984	96	245296	46.901	ug/l	90
28) Bromochloromethane	7.332	49	166008	65.858	ug/l #	89
29) Tetrahydrofuran	7.344	42	242824	326.465	ug/l #	85
30) Chloroform	7.509	83	402506	46.785	ug/l	100
31) Cyclohexane	7.783	56	326593	53.381	ug/l	90
32) 1,1,1-Trichloroethane	7.704	97	358418	42.618	ug/l	98
36) 1,1-Dichloropropene	7.917	75	298543	51.310	ug/l	99
37) Ethyl Acetate	7.076	43	173060	62.049	ug/l	99
38) Carbon Tetrachloride	7.899	117	322494	40.045	ug/l	99
39) Methylcyclohexane	9.179	83	368402	49.500	ug/l	90
40) Benzene	8.161	78	852403	51.411	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.314	41	86962m	59.076	ug/l	
42) 1,2-Dichloroethane	8.234	62	265910	45.273	ug/l	95
43) Isopropyl Acetate	8.271	43	323523	58.471	ug/l #	93
44) Trichloroethene	8.935	130	234073	43.233	ug/l	97
45) 1,2-Dichloropropane	9.216	63	219381	59.769	ug/l	97
46) Dibromomethane	9.301	93	133792	45.644	ug/l	96
47) Bromodichloromethane	9.496	83	316113	47.583	ug/l	100
48) Methyl methacrylate	9.289	41	139255	59.280	ug/l #	84
49) 1,4-Dioxane	9.301	88	33273	892.632	ug/l #	80
51) 4-Methyl-2-Pentanone	10.069	43	878157	310.314	ug/l	91
52) Toluene	10.240	92	554605	49.263	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	328363	48.305	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	359359	50.205	ug/l #	88
55) 1,1,2-Trichloroethane	10.642	97	184845	47.867	ug/l	98
56) Ethyl methacrylate	10.508	69	253372	54.245	ug/l #	84
57) 1,3-Dichloropropane	10.789	76	309517	51.632	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.783	63	705201	306.320	ug/l	97
59) 2-Hexanone	10.831	43	607389	302.300	ug/l	88
60) Dibromochloromethane	10.984	129	223618	44.135	ug/l	100
61) 1,2-Dibromoethane	11.087	107	177576	46.419	ug/l	98
64) Tetrachloroethene	10.715	164	199867	40.750	ug/l	98
65) Chlorobenzene	11.514	112	600641	48.343	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	231509	47.445	ug/l	98
67) Ethyl Benzene	11.587	91	1078311	51.016	ug/l	99
68) m/p-Xylenes	11.697	106	840268	101.182	ug/l	93
69) o-Xylene	12.026	106	397341	48.968	ug/l	95
70) Styrene	12.044	104	679714	49.947	ug/l	96
71) Bromoform	12.203	173	144957	44.974	ug/l #	100
73) Isopropylbenzene	12.325	105	1078171	49.108	ug/l	100
74) N-amyl acetate	12.142	43	297558	65.180	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.581	83	229579	55.897	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	158162m	54.381	ug/l	
77) Bromobenzene	12.605	156	249157	44.497	ug/l	94
78) n-propylbenzene	12.666	91	1307425	51.124	ug/l	99
79) 2-Chlorotoluene	12.752	91	700230	49.320	ug/l	97
80) 1,3,5-Trimethylbenzene	12.813	105	875673	47.403	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.374	75	77558	56.610	ug/l	88
82) 4-Chlorotoluene	12.855	91	721509	49.994	ug/l	96
83) tert-Butylbenzene	13.075	119	811234	48.835	ug/l	92
84) 1,2,4-Trimethylbenzene	13.117	105	862659	47.610	ug/l	98
85) sec-Butylbenzene	13.252	105	1191969	50.321	ug/l	99
86) p-Isopropyltoluene	13.367	119	994932	49.291	ug/l	98
87) 1,3-Dichlorobenzene	13.361	146	496002	47.216	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	487688	47.336	ug/l	99
89) n-Butylbenzene	13.697	91	936456	51.082	ug/l	99
90) Hexachloroethane	13.959	117	185075	46.183	ug/l	90
91) 1,2-Dichlorobenzene	13.739	146	444982	46.802	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	34592	44.901	ug/l	79
93) 1,2,4-Trichlorobenzene	15.001	180	283725	43.602	ug/l	99
94) Hexachlorobutadiene	15.111	225	169220	46.572	ug/l	99
95) Naphthalene	15.233	128	589612	42.654	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	251521	44.683	ug/l	99

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

