

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022322\
 Data File : VY007597.D
 Acq On : 23 Feb 2022 14:06
 Operator : SY/MD
 Sample : VSTDICC100
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/24/2022
 Supervised By : Mahesh Dadoda 02/24/2022

Quant Time: Feb 23 15:12:27 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022322S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 23 15:09:12 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	69120	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	106398	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	97379	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	50415	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	67227	94.175	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 188.360%#			
35) Dibromofluoromethane	7.722	113	55662	83.856	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 167.720%#			
50) Toluene-d8	10.178	98	177321	76.777	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 153.560%#			
62) 4-Bromofluorobenzene	12.477	95	70211	84.575	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 169.140%#			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.905	85	61226	69.885	ug/l	95
3) Chloromethane	2.113	50	66112	84.695	ug/l	95
4) Vinyl Chloride	2.253	62	76273	92.110	ug/l	100
5) Bromomethane	2.643	94	54708	88.024	ug/l	98
6) Chloroethane	2.789	64	52216	99.676	ug/l	91
7) Trichlorofluoromethane	3.125	101	157838	88.217	ug/l	93
8) Diethyl Ether	3.527	74	43592	99.409	ug/l	61
9) 1,1,2-Trichlorotrifluo...	3.899	101	65562	79.294	ug/l	95
10) Methyl Iodide	4.088	142	96278	98.715	ug/l	97
11) Tert butyl alcohol	4.954	59	36592	553.218	ug/l #	92
12) 1,1-Dichloroethene	3.875	96	62047	83.273	ug/l #	75
13) Acrolein	3.728	56	24657	413.120	ug/l	96
14) Allyl chloride	4.478	41	60802	80.714	ug/l #	65
15) Acrylonitrile	5.155	53	80141	503.820	ug/l	99
16) Acetone	3.948	43	88922	527.245	ug/l	90
17) Carbon Disulfide	4.192	76	144856	75.448	ug/l	99
18) Methyl Acetate	4.472	43	33763	91.039	ug/l #	72
19) Methyl tert-butyl Ether	5.216	73	186847	92.979	ug/l #	86
20) Methylene Chloride	4.716	84	72181	85.373	ug/l #	73
21) trans-1,2-Dichloroethene	5.216	96	58111	77.450	ug/l #	73
22) Diisopropyl ether	6.118	45	115960	76.281	ug/l #	77
23) Vinyl Acetate	6.057	43	477958	458.345	ug/l #	80
24) 1,1-Dichloroethane	6.015	63	92347	79.851	ug/l #	94
25) 2-Butanone	6.984	43	90332	483.139	ug/l #	71
26) 2,2-Dichloropropane	6.978	77	100914	78.048	ug/l	95
27) cis-1,2-Dichloroethene	6.984	96	72015	84.487	ug/l	79
28) Bromochloromethane	7.331	49	35766	93.502	ug/l #	34
29) Tetrahydrofuran	7.350	42	47854	441.147	ug/l #	53
30) Chloroform	7.508	83	115134	80.570	ug/l	94
31) Cyclohexane	7.789	56	58679	57.943	ug/l #	66
32) 1,1,1-Trichloroethane	7.697	97	115160	79.333	ug/l	95
36) 1,1-Dichloropropene	7.917	75	69797	70.213	ug/l	93
37) Ethyl Acetate	7.075	43	38327	94.532	ug/l #	91
38) Carbon Tetrachloride	7.898	117	109334	79.599	ug/l	98
39) Methylcyclohexane	9.185	83	85900	68.243	ug/l #	77
40) Benzene	8.160	78	207678	77.200	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.325	41	22993m	107.048	ug/l	
42) 1,2-Dichloroethane	8.234	62	86878	92.699	ug/l	96
43) Isopropyl Acetate	8.270	43	78185	94.008	ug/l #	85
44) Trichloroethene	8.941	130	71246	78.893	ug/l	92
45) 1,2-Dichloropropane	9.215	63	47257	79.385	ug/l	95
46) Dibromomethane	9.300	93	44153	94.809	ug/l	100
47) Bromodichloromethane	9.496	83	95448	87.320	ug/l #	98
48) Methyl methacrylate	9.288	41	33146	93.615	ug/l #	51
49) 1,4-Dioxane	9.294	88	11488	2147.797	ug/l #	72
51) 4-Methyl-2-Pentanone	10.069	43	198135	478.541	ug/l	90
52) Toluene	10.245	92	139245	75.576	ug/l	97
53) t-1,3-Dichloropropene	10.465	75	95256	86.386	ug/l	100
54) cis-1,3-Dichloropropene	9.928	75	98360	84.424	ug/l	94
55) 1,1,2-Trichloroethane	10.642	97	52681	88.139	ug/l	94
56) Ethyl methacrylate	10.508	69	65473	89.925	ug/l #	77
57) 1,3-Dichloropropane	10.788	76	83639	87.735	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.782	63	178701	509.422	ug/l #	74
59) 2-Hexanone	10.831	43	143906	480.430	ug/l	91
60) Dibromochloromethane	10.983	129	77574	94.660	ug/l	99
61) 1,2-Dibromoethane	11.087	107	55011	90.519	ug/l	97
64) Tetrachloroethene	10.721	164	61528	75.127	ug/l	98
65) Chlorobenzene	11.514	112	171610	82.743	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	71626	86.670	ug/l	98
67) Ethyl Benzene	11.593	91	281031	77.333	ug/l	92
68) m/p-Xylenes	11.703	106	222592	159.060	ug/l	98
69) o-Xylene	12.026	106	111509	82.773	ug/l	95
70) Styrene	12.044	104	194389	86.649	ug/l	99
71) Bromoform	12.209	173	51503	98.846	ug/l #	100
73) Isopropylbenzene	12.324	105	283649	70.956	ug/l	98
74) N-amyl acetate	12.141	43	71145	94.253	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.580	83	60347	89.116	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	45219m	80.187	ug/l	
77) Bromobenzene	12.605	156	79333	82.965	ug/l	83
78) n-propylbenzene	12.666	91	327590	70.277	ug/l	95
79) 2-Chlorotoluene	12.751	91	192455	74.214	ug/l	94
80) 1,3,5-Trimethylbenzene	12.812	105	246833	73.513	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.379	75	21170	89.927	ug/l #	92
82) 4-Chlorotoluene	12.855	91	194939	73.677	ug/l	93
83) tert-Butylbenzene	13.074	119	219283	72.933	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	251955	76.506	ug/l	99
85) sec-Butylbenzene	13.251	105	305413	70.590	ug/l	96
86) p-Isopropyltoluene	13.367	119	266637	72.353	ug/l	95
87) 1,3-Dichlorobenzene	13.367	146	146401	80.405	ug/l	98
88) 1,4-Dichlorobenzene	13.446	146	147254	82.241	ug/l	100
89) n-Butylbenzene	13.696	91	240864	72.008	ug/l	97
90) Hexachloroethane	13.958	117	55985	76.383	ug/l	92
91) 1,2-Dichlorobenzene	13.739	146	139754	86.177	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.348	75	13144	99.215	ug/l	78
93) 1,2,4-Trichlorobenzene	15.007	180	96582	87.492	ug/l	99
94) Hexachlorobutadiene	15.110	225	48569	73.865	ug/l	97
95) Naphthalene	15.232	128	224036	98.770	ug/l	100
96) 1,2,3-Trichlorobenzene	15.421	180	86634	90.903	ug/l	98

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

