

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY080822\
 Data File : VY080822.D
 Acq On : 08 Aug 2022 15:27
 Operator : KP/MD
 Sample : VSTDIC005
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 08/09/2022
 Supervised By :Mahesh Dadoda 08/09/2022

Quant Time: Aug 08 17:36:27 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y080822S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 08 17:35:44 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	59190	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	103426	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	94139	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	45037	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	2904	5.599	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	11.200%#		
35) Dibromofluoromethane	7.710	113	2919	5.248	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	10.500%#		
50) Toluene-d8	10.179	98	9954	4.993	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	9.980%#		
62) 4-Bromofluorobenzene	12.477	95	3424	4.260	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	8.520%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.894	85	2630	5.311	ug/l	95
3) Chloromethane	2.107	50	3821	6.458	ug/l	100
4) Vinyl Chloride	2.241	62	3918	6.160	ug/l	99
5) Bromomethane	2.638	94	3000	7.183	ug/l	88
6) Chloroethane	2.778	64	2346	7.030	ug/l #	81
7) Trichlorofluoromethane	3.107	101	5922	7.008	ug/l	97
8) Diethyl Ether	3.515	74	2109	6.727	ug/l	79
9) 1,1,2-Trichlorotrifluo...	3.881	101	3424	5.949	ug/l	93
10) Methyl Iodide	4.076	142	3274	4.359	ug/l	98
11) Tert butyl alcohol	4.942	59	2049	16.919	ug/l #	84
12) 1,1-Dichloroethene	3.857	96	3046	5.431	ug/l	98
13) Acrolein	3.717	56	277m	5.973	ug/l	
14) Allyl chloride	4.460	41	5541	5.594	ug/l	94
15) Acrylonitrile	5.149	53	5355	30.890	ug/l	98
16) Acetone	3.936	43	4904	31.337	ug/l	96
17) Carbon Disulfide	4.180	76	10350	5.622	ug/l #	94
18) Methyl Acetate	4.473	43	4075	9.250	ug/l	95
19) Methyl tert-butyl Ether	5.204	73	7879	5.044	ug/l	99
20) Methylene Chloride	4.698	84	9824	12.312	ug/l	93
21) trans-1,2-Dichloroethene	5.198	96	3297	5.020	ug/l #	93
22) Diisopropyl ether	6.106	45	10744	5.409	ug/l #	88
23) Vinyl Acetate	6.052	43	31163	24.427	ug/l	96
24) 1,1-Dichloroethane	6.003	63	6500	5.791	ug/l	94
25) 2-Butanone	6.978	43	7487	31.354	ug/l	92
26) 2,2-Dichloropropane	6.966	77	5696	5.488	ug/l	98
27) cis-1,2-Dichloroethene	6.972	96	3827	5.287	ug/l	93
28) Bromochloromethane	7.326	49	2566	5.617	ug/l #	90
29) Tetrahydrofuran	7.344	42	4646	30.315	ug/l	95
30) Chloroform	7.496	83	6414	5.660	ug/l	98
31) Cyclohexane	7.777	56	6585	5.951	ug/l #	72
32) 1,1,1-Trichloroethane	7.691	97	5299	5.325	ug/l	98
36) 1,1-Dichloropropene	7.905	75	5041	5.311	ug/l	96
37) Ethyl Acetate	7.057	43	3378	6.117	ug/l #	78
38) Carbon Tetrachloride	7.887	117	4779	4.931	ug/l	91
39) Methylcyclohexane	9.179	83	5321	4.516	ug/l	98
40) Benzene	8.149	78	14478	5.175	ug/l	97

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 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	1811m	6.033	ug/l	
42) 1,2-Dichloroethane	8.228	62	4188	5.363	ug/l	95
43) Isopropyl Acetate	8.265	43	5546	5.437	ug/l #	96
44) Trichloroethene	8.929	130	3821	4.959	ug/l	99
45) 1,2-Dichloropropane	9.209	63	3917	5.675	ug/l	98
46) Dibromomethane	9.301	93	2009	5.036	ug/l	93
47) Bromodichloromethane	9.490	83	4943	5.360	ug/l	98
48) Methyl methacrylate	9.289	41	2570	5.680	ug/l	87
49) 1,4-Dioxane	9.295	88	340	64.445	ug/l #	58
51) 4-Methyl-2-Pentanone	10.063	43	15503	29.491	ug/l	92
52) Toluene	10.240	92	8832	5.100	ug/l	96
53) t-1,3-Dichloropropene	10.459	75	5160	5.281	ug/l	94
54) cis-1,3-Dichloropropene	9.923	75	5562	4.988	ug/l	93
55) 1,1,2-Trichloroethane	10.642	97	3238	5.867	ug/l	94
56) Ethyl methacrylate	10.508	69	3335	4.539	ug/l	91
57) 1,3-Dichloropropane	10.788	76	5003	5.342	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.776	63	7764	21.278	ug/l	95
59) 2-Hexanone	10.825	43	9904	27.024	ug/l	91
60) Dibromochloromethane	10.977	129	3494	5.292	ug/l	99
61) 1,2-Dibromoethane	11.081	107	2864	5.330	ug/l	93
64) Tetrachloroethene	10.715	164	3716	4.643	ug/l	89
65) Chlorobenzene	11.514	112	9687	5.161	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	3521	5.238	ug/l	98
67) Ethyl Benzene	11.587	91	15534	4.649	ug/l	94
68) m/p-Xylenes	11.697	106	11567	8.870	ug/l	96
69) o-Xylene	12.026	106	5256	4.280	ug/l	99
70) Styrene	12.038	104	8777	4.295	ug/l	97
71) Bromoform	12.203	173	2109	5.034	ug/l #	100
73) Isopropylbenzene	12.325	105	13302	4.273	ug/l	99
74) N-amyl acetate	12.142	43	4487	5.169	ug/l #	95
75) 1,1,2,2-Tetrachloroethane	12.581	83	3566	5.932	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	2440m	5.421	ug/l	
77) Bromobenzene	12.605	156	3657	4.822	ug/l	91
78) n-propylbenzene	12.666	91	17314	4.462	ug/l	97
79) 2-Chlorotoluene	12.752	91	9760	4.548	ug/l	100
80) 1,3,5-Trimethylbenzene	12.806	105	11476	4.357	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.374	75	1236	5.453	ug/l	97
82) 4-Chlorotoluene	12.849	91	10982	4.896	ug/l	96
83) tert-Butylbenzene	13.075	119	9919	4.308	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	11001	4.234	ug/l	100
85) sec-Butylbenzene	13.251	105	15367	4.484	ug/l	99
86) p-Isopropyltoluene	13.367	119	11948	4.227	ug/l	98
87) 1,3-Dichlorobenzene	13.361	146	7620	5.196	ug/l	98
88) 1,4-Dichlorobenzene	13.440	146	7727	5.217	ug/l	89
89) n-Butylbenzene	13.696	91	11965	4.485	ug/l	95
90) Hexachloroethane	13.959	117	2848	5.297	ug/l	90
91) 1,2-Dichlorobenzene	13.739	146	6671	5.050	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	564	5.500	ug/l	91
93) 1,2,4-Trichlorobenzene	15.007	180	3793	4.831	ug/l	95
94) Hexachlorobutadiene	15.111	225	2263	5.207	ug/l	97
95) Naphthalene	15.233	128	6679	4.197	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	3284	4.825	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

