

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY010822\
 Data File : VY007078.D
 Acq On : 08 Jan 2022 14:59
 Operator : SY/MD
 Sample : VY0108SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0108SBS01

Quant Time: Jan 10 03:38:50 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010822S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 10 03:29:44 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/10/2022
 Supervised By : Mahesh Dadoda 01/10/2022

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	146128	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	246745	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	221407	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	101436	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.148	65	98406	56.291	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 112.580%			
35) Dibromofluoromethane	7.722	113	90987	55.328	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 110.660%			
50) Toluene-d8	10.185	98	330552	54.417	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 108.840%			
62) 4-Bromofluorobenzene	12.483	95	119987	54.770	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 109.540%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.924	85	10431	20.659	ug/l	93
3) Chloromethane	2.119	50	21940	20.745	ug/l	97
4) Vinyl Chloride	2.259	62	33298	21.687	ug/l	98
5) Bromomethane	2.662	94	16962	16.628	ug/l	99
6) Chloroethane	2.802	64	19179	20.388	ug/l	96
7) Trichlorofluoromethane	3.125	101	38157	20.296	ug/l	98
8) Diethyl Ether	3.527	74	19836	21.602	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.905	101	33851	20.951	ug/l	100
10) Methyl Iodide	4.088	142	52482	20.979	ug/l	100
11) Tert butyl alcohol	4.996	59	16463	118.114	ug/l #	89
12) 1,1-Dichloroethene	3.875	96	35004	20.955	ug/l	99
13) Acrolein	3.734	56	5988	137.399	ug/l	92
14) Allyl chloride	4.484	41	54607	21.515	ug/l	98
15) Acrylonitrile	5.167	53	48624	115.332	ug/l	98
16) Acetone	3.966	43	39758	121.217	ug/l	98
17) Carbon Disulfide	4.198	76	99089	20.706	ug/l	99
18) Methyl Acetate	4.484	43	37188	24.718	ug/l	97
19) Methyl tert-butyl Ether	5.228	73	74835	22.541	ug/l	99
20) Methylene Chloride	4.716	84	39587	20.635	ug/l	98
21) trans-1,2-Dichloroethene	5.228	96	37260	20.680	ug/l	96
22) Diisopropyl ether	6.124	45	111907	21.680	ug/l	99
23) Vinyl Acetate	6.063	43	333495	111.565	ug/l	100
24) 1,1-Dichloroethane	6.021	63	68172	21.648	ug/l	98
25) 2-Butanone	6.996	43	62832	123.979	ug/l	98
26) 2,2-Dichloropropane	6.990	77	49730	20.352	ug/l	100
27) cis-1,2-Dichloroethene	6.996	96	42412	20.908	ug/l	99
28) Bromochloromethane	7.337	49	22736	19.341	ug/l	98
29) Tetrahydrofuran	7.356	42	43412	119.598	ug/l	99
30) Chloroform	7.514	83	71271	21.495	ug/l	100
31) Cyclohexane	7.789	56	62809	20.874	ug/l	95
32) 1,1,1-Trichloroethane	7.703	97	61723	21.406	ug/l	98
36) 1,1-Dichloropropene	7.923	75	55435	21.274	ug/l	99
37) Ethyl Acetate	7.081	43	30311	23.768	ug/l	99
38) Carbon Tetrachloride	7.904	117	58205	21.378	ug/l	95
39) Methylcyclohexane	9.185	83	69349	21.280	ug/l	98
40) Benzene	8.167	78	146996	20.952	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	14536	20.049	ug/l #	100
42) 1,2-Dichloroethane	8.240	62	47631	22.236	ug/l	99
43) Isopropyl Acetate	8.276	43	56885	22.987	ug/l	99
44) Trichloroethene	8.947	130	40020	20.615	ug/l	96
45) 1,2-Dichloropropane	9.221	63	37142	21.384	ug/l	91
46) Dibromomethane	9.307	93	22442	21.670	ug/l	99
47) Bromodichloromethane	9.502	83	54303	20.993	ug/l	98
48) Methyl methacrylate	9.294	41	26890	24.103	ug/l	98
49) 1,4-Dioxane	9.319	88	5225	495.116	ug/l #	84
51) 4-Methyl-2-Pentanone	10.075	43	149143	122.348	ug/l	99
52) Toluene	10.246	92	94964	21.262	ug/l	98
53) t-1,3-Dichloropropene	10.471	75	59426	21.985	ug/l	98
54) cis-1,3-Dichloropropene	9.935	75	64698	21.222	ug/l	99
55) 1,1,2-Trichloroethane	10.648	97	30795	21.886	ug/l	95
56) Ethyl methacrylate	10.514	69	45119	22.828	ug/l	95
57) 1,3-Dichloropropane	10.794	76	54035	21.886	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.788	63	103239	114.439	ug/l	100
59) 2-Hexanone	10.837	43	100429	126.994	ug/l	99
60) Dibromochloromethane	10.989	129	37435	21.323	ug/l	100
61) 1,2-Dibromoethane	11.093	107	31119	22.107	ug/l	100
64) Tetrachloroethene	10.721	164	32961	20.866	ug/l	98
65) Chlorobenzene	11.520	112	100622	21.119	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	37057	21.006	ug/l	99
67) Ethyl Benzene	11.593	91	186544	20.844	ug/l	98
68) m/p-Xylenes	11.709	106	138945	41.509	ug/l	99
69) o-Xylene	12.032	106	65522	20.896	ug/l	100
70) Styrene	12.050	104	111261	21.000	ug/l	99
71) Bromoform	12.215	173	22328	22.101	ug/l #	98
73) Isopropylbenzene	12.330	105	174449	20.212	ug/l	99
74) N-amyl acetate	12.148	43	51106	23.260	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.587	83	36821	22.370	ug/l	99
76) 1,2,3-Trichloropropane	12.635	75	26590m	22.968	ug/l	
77) Bromobenzene	12.611	156	38812	20.363	ug/l	97
78) n-propylbenzene	12.672	91	213755	20.272	ug/l	99
79) 2-Chlorotoluene	12.757	91	121303	20.222	ug/l	99
80) 1,3,5-Trimethylbenzene	12.818	105	142869	20.123	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.379	75	13507	21.914	ug/l #	99
82) 4-Chlorotoluene	12.855	91	127974	20.663	ug/l	99
83) tert-Butylbenzene	13.080	119	125221	20.027	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	143485	20.560	ug/l	99
85) sec-Butylbenzene	13.257	105	184138	20.209	ug/l	100
86) p-Isopropyltoluene	13.373	119	152227	20.407	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	75495	20.523	ug/l	99
88) 1,4-Dichlorobenzene	13.452	146	76048	20.764	ug/l	98
89) n-Butylbenzene	13.702	91	148437	20.401	ug/l	100
90) Hexachloroethane	13.964	117	29806	20.163	ug/l	98
91) 1,2-Dichlorobenzene	13.739	146	67948	21.037	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	6677	24.359	ug/l	97
93) 1,2,4-Trichlorobenzene	15.013	180	41063	21.428	ug/l	99
94) Hexachlorobutadiene	15.117	225	20215	20.490	ug/l	97
95) Naphthalene	15.239	128	95314	23.718	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	35603	22.025	ug/l	99

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

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