

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100722\
 Data File : VY010861.D
 Acq On : 07 Oct 2022 11:07
 Operator : KP/MD
 Sample : VY1007SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1007SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 10/10/2022
 Supervised By :Mahesh Dadoda 10/10/2022

Quant Time: Oct 08 04:45:18 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100322S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 04 07:26:22 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	245636	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	399484	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	355340	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	171037	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	131059	52.638	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.280%			
35) Dibromofluoromethane	7.710	113	125662	47.387	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 94.780%			
50) Toluene-d8	10.179	98	499000	55.023	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 110.040%			
62) 4-Bromofluorobenzene	12.483	95	159954	44.760	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 89.520%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.900	85	34078	20.025	ug/l	99
3) Chloromethane	2.113	50	57240	20.223	ug/l	99
4) Vinyl Chloride	2.247	62	63737	18.701	ug/l	99
5) Bromomethane	2.638	94	44065	18.221	ug/l	99
6) Chloroethane	2.784	64	42750	18.821	ug/l	99
7) Trichlorofluoromethane	3.119	101	87054	20.974	ug/l	96
8) Diethyl Ether	3.528	74	28045	21.003	ug/l	89
9) 1,1,2-Trichlorotrifluo...	3.893	101	51796	21.767	ug/l	94
10) Methyl Iodide	4.088	142	58867	18.506	ug/l	92
11) Tert butyl alcohol	4.948	59	25553	68.917	ug/l	100
12) 1,1-Dichloroethene	3.863	96	49289	21.224	ug/l	85
13) Acrolein	3.723	56	19513	105.261	ug/l	99
14) Allyl chloride	4.473	41	77811	22.383	ug/l #	91
15) Acrylonitrile	5.155	53	73395	112.827	ug/l	96
16) Acetone	3.942	43	65122	102.984	ug/l	93
17) Carbon Disulfide	4.186	76	159364	21.234	ug/l	98
18) Methyl Acetate	4.466	43	37852	23.434	ug/l	92
19) Methyl tert-butyl Ether	5.216	73	122638	20.173	ug/l	99
20) Methylene Chloride	4.710	84	69319	22.102	ug/l	88
21) trans-1,2-Dichloroethene	5.216	96	56271	20.750	ug/l	90
22) Diisopropyl ether	6.113	45	166460	21.833	ug/l	95
23) Vinyl Acetate	6.058	43	479401	103.803	ug/l #	93
24) 1,1-Dichloroethane	6.009	63	101010	21.756	ug/l	99
25) 2-Butanone	6.984	43	93856	103.237	ug/l #	87
26) 2,2-Dichloropropane	6.978	77	88352	20.047	ug/l	97
27) cis-1,2-Dichloroethene	6.978	96	62083	20.629	ug/l	92
28) Bromochloromethane	7.326	49	20531	15.529	ug/l #	93
29) Tetrahydrofuran	7.344	42	58465	109.358	ug/l	90
30) Chloroform	7.503	83	101076	21.094	ug/l	100
31) Cyclohexane	7.783	56	92511	20.758	ug/l	90
32) 1,1,1-Trichloroethane	7.698	97	90407	20.945	ug/l	97
36) 1,1-Dichloropropene	7.911	75	79758	20.835	ug/l	99
37) Ethyl Acetate	7.070	43	40114	21.354	ug/l	95
38) Carbon Tetrachloride	7.899	117	81703	20.491	ug/l	97
39) Methylcyclohexane	9.179	83	93588	19.903	ug/l	94
40) Benzene	8.155	78	230579	20.909	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	22596m	22.057	ug/l	
42) 1,2-Dichloroethane	8.234	62	63625	20.408	ug/l	93
43) Isopropyl Acetate	8.271	43	69766	20.519	ug/l #	90
44) Trichloroethene	8.935	130	60209	20.165	ug/l	95
45) 1,2-Dichloropropane	9.210	63	56701	21.329	ug/l	96
46) Dibromomethane	9.301	93	31072	20.434	ug/l	94
47) Bromodichloromethane	9.490	83	76108	20.740	ug/l	98
48) Methyl methacrylate	9.289	41	32428	20.306	ug/l #	85
49) 1,4-Dioxane	9.295	88	7801	416.753	ug/l #	89
51) 4-Methyl-2-Pentanone	10.069	43	195120	104.894	ug/l	92
52) Toluene	10.240	92	142905	20.362	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	75909	19.980	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	89184	20.498	ug/l #	86
55) 1,1,2-Trichloroethane	10.642	97	43067	20.185	ug/l	99
56) Ethyl methacrylate	10.508	69	54112	19.738	ug/l #	79
57) 1,3-Dichloropropane	10.789	76	75618	20.845	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.783	63	98636	88.549	ug/l	98
59) 2-Hexanone	10.831	43	133833	103.881	ug/l	91
60) Dibromochloromethane	10.984	129	51933	20.301	ug/l	99
61) 1,2-Dibromoethane	11.087	107	41031	20.169	ug/l	100
64) Tetrachloroethene	10.721	164	57324	20.346	ug/l	100
65) Chlorobenzene	11.514	112	150842	20.499	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	53613	19.933	ug/l	96
67) Ethyl Benzene	11.593	91	266361	20.113	ug/l	100
68) m/p-Xylenes	11.703	106	206299	39.805	ug/l	95
69) o-Xylene	12.032	106	95098	19.626	ug/l	95
70) Styrene	12.044	104	162795	19.935	ug/l	96
71) Bromoform	12.209	173	32094	20.046	ug/l #	98
73) Isopropylbenzene	12.331	105	255814	20.345	ug/l	100
74) N-amyl acetate	12.142	43	58454	20.228	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.581	83	49811	21.203	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	37854m	21.855	ug/l	
77) Bromobenzene	12.605	156	57616	19.975	ug/l	99
78) n-propylbenzene	12.672	91	316837	20.690	ug/l	100
79) 2-Chlorotoluene	12.758	91	174857	20.409	ug/l	99
80) 1,3,5-Trimethylbenzene	12.813	105	219954	20.682	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.374	75	16996	20.497	ug/l	87
82) 4-Chlorotoluene	12.855	91	182409	20.361	ug/l	100
83) tert-Butylbenzene	13.075	119	182824	20.165	ug/l	95
84) 1,2,4-Trimethylbenzene	13.117	105	215976	20.656	ug/l	98
85) sec-Butylbenzene	13.251	105	281900	20.655	ug/l	99
86) p-Isopropyltoluene	13.367	119	232282	20.286	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	118819	20.295	ug/l	100
88) 1,4-Dichlorobenzene	13.447	146	118127	20.377	ug/l	98
89) n-Butylbenzene	13.697	91	218137	20.702	ug/l	100
90) Hexachloroethane	13.959	117	45269	20.669	ug/l	90
91) 1,2-Dichlorobenzene	13.739	146	103984	20.378	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	7440	19.695	ug/l	83
93) 1,2,4-Trichlorobenzene	15.007	180	58629	19.582	ug/l	99
94) Hexachlorobutadiene	15.111	225	35507	19.234	ug/l	96
95) Naphthalene	15.233	128	109859	19.252	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	49951	19.571	ug/l	98

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

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