

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101322\
 Data File : VY010953.D
 Acq On : 13 Oct 2022 13:03
 Operator : KP/MD
 Sample : VY1013SBS02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1013SBS02

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 10/14/2022
 Supervised By :Mahesh Dadoda 10/14/2022

Quant Time: Oct 14 02:10:09 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	240894	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	389657	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	344951	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	167936	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	126653	51.870	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.740%			
35) Dibromofluoromethane	7.709	113	125264	48.429	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 96.860%			
50) Toluene-d8	10.179	98	469399	53.065	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 106.120%			
62) 4-Bromofluorobenzene	12.477	95	161525	46.480	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 92.960%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	37371	22.393	ug/l	99
3) Chloromethane	2.113	50	55686	20.061	ug/l	98
4) Vinyl Chloride	2.247	62	62149	18.594	ug/l	98
5) Bromomethane	2.637	94	42816	18.053	ug/l	98
6) Chloroethane	2.784	64	41471	18.618	ug/l	96
7) Trichlorofluoromethane	3.119	101	90838	22.316	ug/l	92
8) Diethyl Ether	3.527	74	32540	24.849	ug/l	86
9) 1,1,2-Trichlorotrifluo...	3.893	101	55183	23.646	ug/l	94
10) Methyl Iodide	4.082	142	64889	20.800	ug/l	91
11) Tert butyl alcohol	4.942	59	46092	208.042	ug/l	97
12) 1,1-Dichloroethene	3.863	96	52469	23.038	ug/l	85
13) Acrolein	3.722	56	19689	108.747	ug/l	97
14) Allyl chloride	4.478	41	82886	24.312	ug/l #	88
15) Acrylonitrile	5.155	53	88354	138.497	ug/l	98
16) Acetone	3.942	43	72467	116.855	ug/l #	83
17) Carbon Disulfide	4.186	76	158889	21.588	ug/l	97
18) Methyl Acetate	4.472	43	47875	30.222	ug/l #	89
19) Methyl tert-butyl Ether	5.216	73	142107	23.836	ug/l	100
20) Methylene Chloride	4.710	84	90177	31.221	ug/l	83
21) trans-1,2-Dichloroethene	5.210	96	60588	22.782	ug/l	90
22) Diisopropyl ether	6.112	45	184625	24.692	ug/l #	95
23) Vinyl Acetate	6.051	43	548170	121.030	ug/l #	93
24) 1,1-Dichloroethane	6.009	63	109048	23.949	ug/l	99
25) 2-Butanone	6.978	43	114736	128.688	ug/l #	86
26) 2,2-Dichloropropane	6.978	77	94758	21.924	ug/l	96
27) cis-1,2-Dichloroethene	6.978	96	68038	23.053	ug/l	92
28) Bromochloromethane	7.325	49	22456	16.777	ug/l	93
29) Tetrahydrofuran	7.344	42	73011	139.255	ug/l #	89
30) Chloroform	7.502	83	109986	23.406	ug/l	99
31) Cyclohexane	7.783	56	97866	22.392	ug/l	90
32) 1,1,1-Trichloroethane	7.697	97	95517	22.564	ug/l	96
36) 1,1-Dichloropropene	7.917	75	84211	22.553	ug/l	98
37) Ethyl Acetate	7.069	43	49662	27.103	ug/l #	94
38) Carbon Tetrachloride	7.898	117	86488	22.238	ug/l	97
39) Methylcyclohexane	9.179	83	100980	22.017	ug/l	91
40) Benzene	8.155	78	248070	23.063	ug/l	97

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41) Methacrylonitrile	7.301	41	22850m	22.773	ug/l	
42) 1,2-Dichloroethane	8.234	62	70218	23.091	ug/l	92
43) Isopropyl Acetate	8.270	43	84926	25.608	ug/l #	90
44) Trichloroethene	8.935	130	65273	22.412	ug/l	96
45) 1,2-Dichloropropane	9.209	63	62314	24.031	ug/l	93
46) Dibromomethane	9.301	93	34954	23.567	ug/l	95
47) Bromodichloromethane	9.496	83	84352	23.566	ug/l	97
48) Methyl methacrylate	9.288	41	38821	24.923	ug/l #	81
49) 1,4-Dioxane	9.295	88	9960	545.512	ug/l #	86
51) 4-Methyl-2-Pentanone	10.069	43	245156	135.117	ug/l	92
52) Toluene	10.240	92	153701	22.453	ug/l	97
53) t-1,3-Dichloropropene	10.465	75	86155	23.248	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	98388	23.184	ug/l #	83
55) 1,1,2-Trichloroethane	10.642	97	50868	24.442	ug/l	99
56) Ethyl methacrylate	10.508	69	65170	24.372	ug/l #	77
57) 1,3-Dichloropropane	10.788	76	87160	24.633	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	117541	102.462	ug/l	98
59) 2-Hexanone	10.831	43	165046	131.339	ug/l	87
60) Dibromochloromethane	10.983	129	58765	23.551	ug/l	99
61) 1,2-Dibromoethane	11.087	107	48507	24.445	ug/l	98
64) Tetrachloroethene	10.715	164	62557	22.872	ug/l	97
65) Chlorobenzene	11.514	112	162565	22.757	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	60532	23.183	ug/l	97
67) Ethyl Benzene	11.593	91	292248	22.733	ug/l	98
68) m/p-Xylenes	11.703	106	224190	44.560	ug/l	95
69) o-Xylene	12.026	106	104732	22.265	ug/l	96
70) Styrene	12.044	104	181549	22.901	ug/l	96
71) Bromoform	12.203	173	37695	24.254	ug/l #	98
73) Isopropylbenzene	12.331	105	281938	22.837	ug/l	99
74) N-amyl acetate	12.142	43	72282	25.475	ug/l #	86
75) 1,1,2,2-Tetrachloroethane	12.581	83	60744	26.335	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	44649m	26.254	ug/l	
77) Bromobenzene	12.605	156	64747	22.861	ug/l	98
78) n-propylbenzene	12.672	91	345508	22.979	ug/l	99
79) 2-Chlorotoluene	12.751	91	194773	23.154	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	240504	23.032	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.373	75	20422	25.084	ug/l	86
82) 4-Chlorotoluene	12.855	91	200101	22.748	ug/l	100
83) tert-Butylbenzene	13.074	119	201824	22.671	ug/l	95
84) 1,2,4-Trimethylbenzene	13.117	105	238148	23.197	ug/l	99
85) sec-Butylbenzene	13.251	105	306876	22.901	ug/l	99
86) p-Isopropyltoluene	13.367	119	252366	22.447	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	130936	22.778	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	127638	22.424	ug/l	99
89) n-Butylbenzene	13.696	91	235423	22.755	ug/l	100
90) Hexachloroethane	13.958	117	50173	23.331	ug/l	87
91) 1,2-Dichlorobenzene	13.739	146	117073	23.366	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	9820	26.476	ug/l	83
93) 1,2,4-Trichlorobenzene	15.007	180	64424	21.914	ug/l	98
94) Hexachlorobutadiene	15.111	225	39664	21.882	ug/l	97
95) Naphthalene	15.233	128	134227	23.956	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	56542	22.562	ug/l	98

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

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