

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091422\
 Data File : VY010478.D
 Acq On : 14 Sep 2022 12:28
 Operator : KP/MD
 Sample : VY0914SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0914SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 09/15/2022
 Supervised By :Mahesh Dadoda 09/15/2022

Quant Time: Sep 14 15:06:39 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090922S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 09 17:08:30 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	222822	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	347944	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	314616	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	163311	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	107704	47.993	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.980%		
35) Dibromofluoromethane	7.716	113	107028	43.311	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	86.620%		
50) Toluene-d8	10.179	98	395231	49.350	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	98.700%		
62) 4-Bromofluorobenzene	12.477	95	140858	43.582	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	87.160%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.900	85	41474	24.879	ug/l	100
3) Chloromethane	2.107	50	56381	22.522	ug/l	98
4) Vinyl Chloride	2.247	62	67011	21.697	ug/l	96
5) Bromomethane	2.637	94	46715	21.590	ug/l	100
6) Chloroethane	2.784	64	44905	21.737	ug/l	100
7) Trichlorofluoromethane	3.119	101	84900	21.701	ug/l	96
8) Diethyl Ether	3.528	74	26004	20.523	ug/l	78
9) 1,1,2-Trichlorotrifluo...	3.887	101	48791	21.301	ug/l	97
10) Methyl Iodide	4.088	142	54821	19.341	ug/l	92
11) Tert butyl alcohol	4.942	59	28161	95.336	ug/l	100
12) 1,1-Dichloroethene	3.863	96	45416	21.135	ug/l	86
13) Acrolein	3.729	56	17040	79.590	ug/l	98
14) Allyl chloride	4.473	41	66683	21.550	ug/l #	95
15) Acrylonitrile	5.155	53	64694	105.476	ug/l	99
16) Acetone	3.942	43	56135	108.996	ug/l	90
17) Carbon Disulfide	4.186	76	127000	21.855	ug/l	99
18) Methyl Acetate	4.473	43	34805	21.967	ug/l #	87
19) Methyl tert-butyl Ether	5.216	73	117559	19.810	ug/l	96
20) Methylene Chloride	4.704	84	78181	28.377	ug/l #	84
21) trans-1,2-Dichloroethene	5.216	96	51463	21.092	ug/l	84
22) Diisopropyl ether	6.112	45	146644	21.228	ug/l #	95
23) Vinyl Acetate	6.051	43	428886	101.308	ug/l #	92
24) 1,1-Dichloroethane	6.009	63	91012	21.762	ug/l	98
25) 2-Butanone	6.984	43	87803	107.276	ug/l #	88
26) 2,2-Dichloropropane	6.978	77	86139	21.584	ug/l	99
27) cis-1,2-Dichloroethene	6.978	96	59308	20.912	ug/l	90
28) Bromochloromethane	7.326	49	23598	17.599	ug/l	84
29) Tetrahydrofuran	7.344	42	52250	102.286	ug/l #	83
30) Chloroform	7.502	83	94661	21.338	ug/l	99
31) Cyclohexane	7.783	56	82506	21.762	ug/l #	86
32) 1,1,1-Trichloroethane	7.698	97	85720	21.339	ug/l	96
36) 1,1-Dichloropropene	7.911	75	72325	21.379	ug/l	98
37) Ethyl Acetate	7.070	43	36382	20.458	ug/l #	94
38) Carbon Tetrachloride	7.899	117	77813	20.675	ug/l	97
39) Methylcyclohexane	9.179	83	87138	20.658	ug/l	90
40) Benzene	8.155	78	205620	21.114	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	17598m	17.309	ug/l	
42) 1,2-Dichloroethane	8.234	62	59533	20.557	ug/l	92
43) Isopropyl Acetate	8.271	43	65043	19.985	ug/l #	90
44) Trichloroethene	8.935	130	58194	20.300	ug/l	99
45) 1,2-Dichloropropane	9.209	63	50217	21.143	ug/l	96
46) Dibromomethane	9.301	93	28750	20.073	ug/l	97
47) Bromodichloromethane	9.496	83	71201	20.929	ug/l	100
48) Methyl methacrylate	9.289	41	31192	21.339	ug/l #	87
49) 1,4-Dioxane	9.301	88	6958	366.984	ug/l	88
51) 4-Methyl-2-Pentanone	10.069	43	180793	101.274	ug/l	91
52) Toluene	10.240	92	132291	20.759	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	70251	20.065	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	80446	20.372	ug/l #	86
55) 1,1,2-Trichloroethane	10.642	97	41865	20.548	ug/l	98
56) Ethyl methacrylate	10.508	69	51939	19.411	ug/l #	81
57) 1,3-Dichloropropane	10.788	76	69968	20.653	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.783	63	109124	135.005	ug/l	93
59) 2-Hexanone	10.831	43	123133	101.187	ug/l	87
60) Dibromochloromethane	10.984	129	49883	20.035	ug/l	100
61) 1,2-Dibromoethane	11.087	107	39989	20.219	ug/l	100
64) Tetrachloroethene	10.715	164	56800	20.030	ug/l	99
65) Chlorobenzene	11.514	112	140939	20.032	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	52226	20.042	ug/l	98
67) Ethyl Benzene	11.593	91	254689	20.453	ug/l	97
68) m/p-Xylenes	11.703	106	199751	40.860	ug/l	93
69) o-Xylene	12.026	106	92997	19.922	ug/l	94
70) Styrene	12.044	104	157010	19.873	ug/l	96
71) Bromoform	12.209	173	31146	19.117	ug/l #	99
73) Isopropylbenzene	12.331	105	252591	19.823	ug/l	100
74) N-amyl acetate	12.142	43	55688	18.731	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.581	83	47256	19.826	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	35733m	19.825	ug/l	
77) Bromobenzene	12.611	156	58181	19.270	ug/l	95
78) n-propylbenzene	12.672	91	302268	20.033	ug/l	98
79) 2-Chlorotoluene	12.758	91	167499	19.762	ug/l	97
80) 1,3,5-Trimethylbenzene	12.812	105	217234	20.206	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	15530	19.131	ug/l	88
82) 4-Chlorotoluene	12.855	91	174745	19.818	ug/l	98
83) tert-Butylbenzene	13.075	119	187500	19.953	ug/l	94
84) 1,2,4-Trimethylbenzene	13.117	105	213551	20.300	ug/l	98
85) sec-Butylbenzene	13.251	105	276385	19.863	ug/l	99
86) p-Isopropyltoluene	13.367	119	232597	19.762	ug/l	97
87) 1,3-Dichlorobenzene	13.367	146	117585	19.394	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	118103	19.672	ug/l	98
89) n-Butylbenzene	13.696	91	215191	20.142	ug/l	99
90) Hexachloroethane	13.959	117	43641	19.749	ug/l	91
91) 1,2-Dichlorobenzene	13.739	146	104724	19.502	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.349	75	7924	19.695	ug/l	82
93) 1,2,4-Trichlorobenzene	15.007	180	64356	19.296	ug/l	99
94) Hexachlorobutadiene	15.111	225	39525	19.641	ug/l	99
95) Naphthalene	15.233	128	125159	19.026	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	55232	18.971	ug/l	98

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

