

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090222\
 Data File : VY010278.D
 Acq On : 02 Sep 2022 14:56
 Operator : KP/MD
 Sample : VY0902SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0902SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 09/06/2022
 Supervised By :Mahesh Dadoda 09/06/2022

Quant Time: Sep 02 16:43:13 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090222S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 02 16:41:46 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	371380	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	605877	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	539323	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	261948	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	198589	52.149	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.300%			
35) Dibromofluoromethane	7.710	113	185492	45.989	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 91.980%			
50) Toluene-d8	10.179	98	729290	54.006	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 108.020%			
62) 4-Bromofluorobenzene	12.483	95	260827	47.973	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 95.940%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	68850	23.223	ug/l	99
3) Chloromethane	2.107	50	93103	23.000	ug/l	98
4) Vinyl Chloride	2.247	62	98989	22.445	ug/l	100
5) Bromomethane	2.637	94	62922	22.724	ug/l	100
6) Chloroethane	2.784	64	59349	21.999	ug/l	100
7) Trichlorofluoromethane	3.113	101	133847	21.651	ug/l	90
8) Diethyl Ether	3.521	74	46874	21.219	ug/l	86
9) 1,1,2-Trichlorotrifluo...	3.887	101	79400	20.796	ug/l	95
10) Methyl Iodide	4.082	142	86656	18.866	ug/l	90
11) Tert butyl alcohol	4.942	59	60416	132.614	ug/l	98
12) 1,1-Dichloroethene	3.863	96	76839	20.784	ug/l	87
13) Acrolein	3.716	56	48579	100.728	ug/l	98
14) Allyl chloride	4.466	41	133503	20.517	ug/l	92
15) Acrylonitrile	5.155	53	120140	104.376	ug/l	99
16) Acetone	3.942	43	96439	101.304	ug/l	90
17) Carbon Disulfide	4.180	76	241596	21.454	ug/l	100
18) Methyl Acetate	4.466	43	63491	21.491	ug/l	91
19) Methyl tert-butyl Ether	5.216	73	227859	21.083	ug/l	98
20) Methylene Chloride	4.704	84	113290	24.660	ug/l	90
21) trans-1,2-Dichloroethene	5.210	96	88089	21.026	ug/l	92
22) Diisopropyl ether	6.112	45	276766	20.928	ug/l	94
23) Vinyl Acetate	6.051	43	879010	106.009	ug/l #	94
24) 1,1-Dichloroethane	6.009	63	157958	20.734	ug/l	98
25) 2-Butanone	6.978	43	165261	105.779	ug/l #	87
26) 2,2-Dichloropropane	6.972	77	146886	21.169	ug/l	98
27) cis-1,2-Dichloroethene	6.978	96	99283	20.737	ug/l	93
28) Bromochloromethane	7.326	49	41788	16.719	ug/l	91
29) Tetrahydrofuran	7.344	42	107148	107.051	ug/l	90
30) Chloroform	7.496	83	156360	20.842	ug/l	100
31) Cyclohexane	7.777	56	153621	20.680	ug/l	95
32) 1,1,1-Trichloroethane	7.697	97	141828	20.747	ug/l	97
36) 1,1-Dichloropropene	7.911	75	123135	20.807	ug/l	98
37) Ethyl Acetate	7.063	43	74966	22.094	ug/l	95
38) Carbon Tetrachloride	7.893	117	125472	20.573	ug/l	99
39) Methylcyclohexane	9.179	83	158820	20.788	ug/l	93
40) Benzene	8.155	78	353087	20.833	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.301	41	44671m	23.353	ug/l	
42) 1,2-Dichloroethane	8.234	62	103651	21.092	ug/l	93
43) Isopropyl Acetate	8.271	43	134731	20.831	ug/l #	92
44) Trichloroethene	8.935	130	98354	21.138	ug/l	100
45) 1,2-Dichloropropane	9.209	63	88295	20.448	ug/l	95
46) Dibromomethane	9.301	93	50648	21.355	ug/l	96
47) Bromodichloromethane	9.490	83	121479	20.828	ug/l	99
48) Methyl methacrylate	9.289	41	62599	20.749	ug/l #	87
49) 1,4-Dioxane	9.295	88	14416	441.747	ug/l #	91
51) 4-Methyl-2-Pentanone	10.069	43	358975	107.579	ug/l	92
52) Toluene	10.240	92	225222	20.773	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	131019	20.827	ug/l	98
54) cis-1,3-Dichloropropene	9.923	75	146809	20.696	ug/l #	88
55) 1,1,2-Trichloroethane	10.642	97	69361	20.602	ug/l	99
56) Ethyl methacrylate	10.508	69	104497	21.009	ug/l #	85
57) 1,3-Dichloropropane	10.788	76	122424	20.862	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	207603	142.084	ug/l	97
59) 2-Hexanone	10.831	43	246686	106.612	ug/l	89
60) Dibromochloromethane	10.983	129	85583	21.096	ug/l	99
61) 1,2-Dibromoethane	11.087	107	69556	21.378	ug/l	100
64) Tetrachloroethene	10.715	164	94045	21.382	ug/l	98
65) Chlorobenzene	11.514	112	239575	20.846	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	86567	20.514	ug/l	97
67) Ethyl Benzene	11.593	91	430371	20.450	ug/l	99
68) m/p-Xylenes	11.703	106	333001	41.421	ug/l	95
69) o-Xylene	12.026	106	161023	20.629	ug/l	94
70) Styrene	12.044	104	268918	20.682	ug/l	97
71) Bromoform	12.209	173	54940	21.061	ug/l #	98
73) Isopropylbenzene	12.331	105	423424	20.261	ug/l	100
74) N-amyl acetate	12.142	43	119360	20.702	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.581	83	82657	20.580	ug/l	100
76) 1,2,3-Trichloropropane	12.629	75	64984m	20.846	ug/l	
77) Bromobenzene	12.605	156	96786	20.358	ug/l	100
78) n-propylbenzene	12.672	91	510605	20.353	ug/l	99
79) 2-Chlorotoluene	12.758	91	287341	20.265	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	362668	20.712	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	29956	20.047	ug/l	90
82) 4-Chlorotoluene	12.855	91	297253	20.360	ug/l	100
83) tert-Butylbenzene	13.075	119	309990	20.377	ug/l	95
84) 1,2,4-Trimethylbenzene	13.117	105	355643	20.683	ug/l	100
85) sec-Butylbenzene	13.251	105	462319	20.551	ug/l	100
86) p-Isopropyltoluene	13.367	119	385243	20.731	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	190623	20.650	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	190147	20.718	ug/l	98
89) n-Butylbenzene	13.696	91	363313	20.682	ug/l	99
90) Hexachloroethane	13.959	117	73237	20.532	ug/l	90
91) 1,2-Dichlorobenzene	13.739	146	170669	20.744	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	14737	20.823	ug/l	86
93) 1,2,4-Trichlorobenzene	15.007	180	106466	20.906	ug/l	99
94) Hexachlorobutadiene	15.111	225	62793	21.038	ug/l	99
95) Naphthalene	15.233	128	218494	20.678	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	89573	20.768	ug/l	99

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

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