

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091222\
 Data File : VY010443.D
 Acq On : 12 Sep 2022 13:29
 Operator : KP/MD
 Sample : VY0912SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0912SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 09/13/2022
 Supervised By :Mahesh Dadoda 09/13/2022

Quant Time: Sep 13 05:12:38 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	7.783	168	238259	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	374421	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	337005	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	169886	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	124976	52.081	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.160%			
35) Dibromofluoromethane	7.710	113	124189	46.702	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 93.400%			
50) Toluene-d8	10.179	98	464127	53.854	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 107.700%			
62) 4-Bromofluorobenzene	12.477	95	161920	47.035	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 94.060%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.900	85	43869	24.547	ug/l	98
3) Chloromethane	2.107	50	66038	24.670	ug/l	97
4) Vinyl Chloride	2.241	62	76360	23.122	ug/l	98
5) Bromomethane	2.637	94	51667	22.332	ug/l	97
6) Chloroethane	2.784	64	49345	22.339	ug/l	99
7) Trichlorofluoromethane	3.113	101	93043	22.242	ug/l	93
8) Diethyl Ether	3.521	74	29534	21.799	ug/l	78
9) 1,1,2-Trichlorotrifluo...	3.887	101	54558	22.275	ug/l	96
10) Methyl Iodide	4.082	142	63048	20.802	ug/l	90
11) Tert butyl alcohol	4.948	59	27346	82.685	ug/l	98
12) 1,1-Dichloroethene	3.863	96	51109	22.244	ug/l	83
13) Acrolein	3.716	56	21705	94.811	ug/l	99
14) Allyl chloride	4.466	41	74132	22.405	ug/l #	94
15) Acrylonitrile	5.155	53	71483	108.994	ug/l	97
16) Acetone	3.942	43	56757	103.064	ug/l	94
17) Carbon Disulfide	4.186	76	142446	22.925	ug/l	98
18) Methyl Acetate	4.466	43	37856	22.345	ug/l #	87
19) Methyl tert-butyl Ether	5.204	73	134357	21.174	ug/l	92
20) Methylene Chloride	4.704	84	74517	24.430	ug/l	84
21) trans-1,2-Dichloroethene	5.210	96	57318	21.970	ug/l	87
22) Diisopropyl ether	6.106	45	161025	21.799	ug/l #	96
23) Vinyl Acetate	6.051	43	483831	106.882	ug/l #	92
24) 1,1-Dichloroethane	6.003	63	97583	21.821	ug/l	99
25) 2-Butanone	6.978	43	89397	102.147	ug/l #	86
26) 2,2-Dichloropropane	6.972	77	89822	21.049	ug/l	95
27) cis-1,2-Dichloroethene	6.978	96	65095	21.465	ug/l	88
28) Bromochloromethane	7.325	49	25269	17.624	ug/l #	81
29) Tetrahydrofuran	7.344	42	57225	104.767	ug/l #	84
30) Chloroform	7.502	83	103185	21.753	ug/l	98
31) Cyclohexane	7.777	56	90425	22.306	ug/l	89
32) 1,1,1-Trichloroethane	7.697	97	93692	21.813	ug/l	96
36) 1,1-Dichloropropene	7.911	75	78455	21.551	ug/l	96
37) Ethyl Acetate	7.069	43	39271	20.521	ug/l #	92
38) Carbon Tetrachloride	7.892	117	86577	21.377	ug/l	99
39) Methylcyclohexane	9.179	83	97138	21.400	ug/l	88
40) Benzene	8.155	78	227723	21.730	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	23245m	21.247	ug/l	
42) 1,2-Dichloroethane	8.234	62	66849	21.451	ug/l	93
43) Isopropyl Acetate	8.270	43	73524	20.993	ug/l #	90
44) Trichloroethene	8.935	130	66346	21.508	ug/l	97
45) 1,2-Dichloropropane	9.209	63	55267	21.624	ug/l	94
46) Dibromomethane	9.301	93	32369	21.001	ug/l	96
47) Bromodichloromethane	9.496	83	78426	21.422	ug/l	98
48) Methyl methacrylate	9.289	41	32729	20.808	ug/l #	84
49) 1,4-Dioxane	9.295	88	7895	386.958	ug/l	91
51) 4-Methyl-2-Pentanone	10.069	43	196755	102.421	ug/l	91
52) Toluene	10.240	92	146668	21.387	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	79314	21.052	ug/l	97
54) cis-1,3-Dichloropropene	9.923	75	88701	20.874	ug/l #	87
55) 1,1,2-Trichloroethane	10.642	97	46208	21.076	ug/l	98
56) Ethyl methacrylate	10.508	69	57980	20.137	ug/l #	83
57) 1,3-Dichloropropane	10.788	76	77144	21.161	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.782	63	119152	137.488	ug/l	94
59) 2-Hexanone	10.831	43	132763	101.386	ug/l	88
60) Dibromochloromethane	10.983	129	56268	21.002	ug/l	100
61) 1,2-Dibromoethane	11.087	107	44405	20.864	ug/l	99
64) Tetrachloroethene	10.715	164	65220	21.471	ug/l	97
65) Chlorobenzene	11.514	112	159439	21.156	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	58577	20.985	ug/l	98
67) Ethyl Benzene	11.593	91	279639	20.965	ug/l	95
68) m/p-Xylenes	11.697	106	222741	42.535	ug/l	92
69) o-Xylene	12.026	106	104723	20.944	ug/l	93
70) Styrene	12.044	104	175588	20.748	ug/l	96
71) Bromoform	12.209	173	35512	20.349	ug/l #	99
73) Isopropylbenzene	12.325	105	278149	20.984	ug/l	99
74) N-amyl acetate	12.142	43	62070	20.070	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.581	83	52291	21.089	ug/l	98
76) 1,2,3-Trichloropropane	12.629	75	38482m	20.524	ug/l	
77) Bromobenzene	12.605	156	66141	21.058	ug/l	91
78) n-propylbenzene	12.672	91	333862	21.270	ug/l	98
79) 2-Chlorotoluene	12.757	91	185880	21.082	ug/l	96
80) 1,3,5-Trimethylbenzene	12.812	105	237880	21.270	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.373	75	17589	20.829	ug/l	88
82) 4-Chlorotoluene	12.855	91	193783	21.126	ug/l	98
83) tert-Butylbenzene	13.074	119	205965	21.070	ug/l	94
84) 1,2,4-Trimethylbenzene	13.117	105	235592	21.529	ug/l	98
85) sec-Butylbenzene	13.251	105	305194	21.085	ug/l	98
86) p-Isopropyltoluene	13.367	119	254564	20.792	ug/l	97
87) 1,3-Dichlorobenzene	13.361	146	132505	21.009	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	131276	21.020	ug/l	99
89) n-Butylbenzene	13.696	91	236026	21.238	ug/l	99
90) Hexachloroethane	13.958	117	48601	21.142	ug/l	92
91) 1,2-Dichlorobenzene	13.739	146	118111	21.143	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	9060	21.647	ug/l	87
93) 1,2,4-Trichlorobenzene	15.007	180	72879	21.006	ug/l	99
94) Hexachlorobutadiene	15.111	225	45013	21.502	ug/l	99
95) Naphthalene	15.233	128	137536	20.098	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	61613	20.343	ug/l	98

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

