

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070723\
 Data File : VY014597.D
 Acq On : 07 Jul 2023 11:12
 Operator : KP/MD
 Sample : VY0707SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0707SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/10/2023
 Supervised By :Semsettin Yesilyurt 07/10/2023

Quant Time: Jul 08 03:44:06 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y063023S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 30 19:02:11 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	322738	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	467105	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	432516	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	239054	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	155332	48.382	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.760%		
35) Dibromofluoromethane	7.710	113	144852	50.358	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	100.720%		
50) Toluene-d8	10.173	98	556120	48.907	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	97.820%		
62) 4-Bromofluorobenzene	12.477	95	193352	48.969	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	97.940%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	59203	23.119	ug/l	93
3) Chloromethane	2.107	50	82720	22.131	ug/l	96
4) Vinyl Chloride	2.247	62	98899	22.955	ug/l	97
5) Bromomethane	2.619	94	77591	23.225	ug/l	97
6) Chloroethane	2.778	64	62054	22.369	ug/l	97
7) Trichlorofluoromethane	3.107	101	115025	21.983	ug/l	97
8) Diethyl Ether	3.521	74	40072	20.226	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.887	101	69258	22.164	ug/l	97
10) Methyl Iodide	4.082	142	60401	16.939	ug/l	92
11) Tert butyl alcohol	4.942	59	80237	135.387	ug/l #	91
12) 1,1-Dichloroethene	3.863	96	63475	20.969	ug/l	89
13) Acrolein	3.723	56	46941	109.957	ug/l	100
14) Allyl chloride	4.466	41	96234	21.092	ug/l	88
15) Acrylonitrile	5.155	53	114177	100.387	ug/l	99
16) Acetone	3.942	43	105638	105.361	ug/l #	87
17) Carbon Disulfide	4.180	76	197577	21.418	ug/l	97
18) Methyl Acetate	4.466	43	97992	21.470	ug/l	93
19) Methyl tert-butyl Ether	5.216	73	168288	19.343	ug/l	98
20) Methylene Chloride	4.704	84	109593	27.995	ug/l	92
21) trans-1,2-Dichloroethene	5.210	96	67710	19.761	ug/l	95
22) Diisopropyl ether	6.106	45	194225	20.659	ug/l	95
23) Vinyl Acetate	6.051	43	551211	101.338	ug/l	95
24) 1,1-Dichloroethane	6.009	63	119509	20.249	ug/l	99
25) 2-Butanone	6.978	43	151367	101.960	ug/l	94
26) 2,2-Dichloropropane	6.972	77	100831	20.043	ug/l	98
27) cis-1,2-Dichloroethene	6.978	96	73767	18.978	ug/l	94
28) Bromochloromethane	7.326	49	56639	22.854	ug/l	91
29) Tetrahydrofuran	7.344	42	99394	103.797	ug/l	90
30) Chloroform	7.496	83	123052	19.987	ug/l	97
31) Cyclohexane	7.777	56	100411	19.935	ug/l	90
32) 1,1,1-Trichloroethane	7.691	97	105574	20.061	ug/l	99
36) 1,1-Dichloropropene	7.911	75	91400	20.749	ug/l	98
37) Ethyl Acetate	7.069	43	65352	21.633	ug/l #	92
38) Carbon Tetrachloride	7.892	117	95159	20.694	ug/l	95
39) Methylcyclohexane	9.179	83	106086	20.148	ug/l	97
40) Benzene	8.155	78	262103	19.657	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.301	41	30110m	20.402	ug/l	
42) 1,2-Dichloroethane	8.228	62	79452	20.272	ug/l	93
43) Isopropyl Acetate	8.264	43	104089	20.332	ug/l	93
44) Trichloroethene	8.935	130	74717	20.099	ug/l	96
45) 1,2-Dichloropropane	9.209	63	68236	19.948	ug/l	99
46) Dibromomethane	9.301	93	42668	20.489	ug/l	96
47) Bromodichloromethane	9.490	83	91939	20.037	ug/l	100
48) Methyl methacrylate	9.289	41	45345	19.477	ug/l #	81
49) 1,4-Dioxane	9.295	88	15315	411.846	ug/l #	63
51) 4-Methyl-2-Pentanone	10.063	43	307522	101.463	ug/l	91
52) Toluene	10.240	92	164893	19.651	ug/l	99
53) t-1,3-Dichloropropene	10.459	75	96596	19.687	ug/l	99
54) cis-1,3-Dichloropropene	9.923	75	108384	19.798	ug/l #	85
55) 1,1,2-Trichloroethane	10.642	97	60462	19.953	ug/l	96
56) Ethyl methacrylate	10.508	69	78799	19.117	ug/l #	80
57) 1,3-Dichloropropane	10.782	76	98209	19.891	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.776	63	218453	109.397	ug/l	98
59) 2-Hexanone	10.825	43	222759	101.745	ug/l	88
60) Dibromochloromethane	10.977	129	71922	20.256	ug/l	99
61) 1,2-Dibromoethane	11.087	107	59862	20.235	ug/l	100
64) Tetrachloroethene	10.715	164	80806	20.899	ug/l	94
65) Chlorobenzene	11.514	112	180649	19.599	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	68809	19.641	ug/l	96
67) Ethyl Benzene	11.587	91	303513	19.309	ug/l	99
68) m/p-Xylenes	11.697	106	242179	38.842	ug/l	95
69) o-Xylene	12.026	106	113291	19.158	ug/l	96
70) Styrene	12.038	104	198607	19.521	ug/l	96
71) Bromoform	12.203	173	55425	20.825	ug/l #	98
73) Isopropylbenzene	12.325	105	297471	19.000	ug/l	99
74) N-amyl acetate	12.142	43	91994	19.469	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.581	83	79979	19.906	ug/l	100
76) 1,2,3-Trichloropropane	12.629	75	55417m	19.755	ug/l	
77) Bromobenzene	12.605	156	84027	19.650	ug/l	94
78) n-propylbenzene	12.666	91	372818	19.521	ug/l	99
79) 2-Chlorotoluene	12.751	91	211379	19.232	ug/l	95
80) 1,3,5-Trimethylbenzene	12.812	105	255998	19.315	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.373	75	27934	19.382	ug/l	87
82) 4-Chlorotoluene	12.849	91	222041	19.284	ug/l	96
83) tert-Butylbenzene	13.074	119	222098	19.067	ug/l	97
84) 1,2,4-Trimethylbenzene	13.117	105	251503	19.016	ug/l	97
85) sec-Butylbenzene	13.251	105	341080	19.843	ug/l	99
86) p-Isopropyltoluene	13.367	119	277676	19.196	ug/l	97
87) 1,3-Dichlorobenzene	13.361	146	160050	19.143	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	160656	19.173	ug/l	100
89) n-Butylbenzene	13.696	91	262526	19.638	ug/l	98
90) Hexachloroethane	13.958	117	58192	20.309	ug/l	90
91) 1,2-Dichlorobenzene	13.739	146	147762	19.511	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	14352	19.511	ug/l	82
93) 1,2,4-Trichlorobenzene	15.007	180	94275	19.273	ug/l	98
94) Hexachlorobutadiene	15.111	225	63913	21.259	ug/l	99
95) Naphthalene	15.233	128	188658	18.128	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	87418	19.614	ug/l	99

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

