

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070723\
 Data File : VY014598.D
 Acq On : 07 Jul 2023 11:35
 Operator : KP/MD
 Sample : VY0707SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 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 03:45:06 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	339317	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	487085	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	450566	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	242791	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	157059	46.529	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	93.060%		
35) Dibromofluoromethane	7.710	113	146876	48.967	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.940%		
50) Toluene-d8	10.173	98	569817	48.056	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	96.120%		
62) 4-Bromofluorobenzene	12.477	95	197824	48.046	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	96.100%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	61717	22.880	ug/l	96
3) Chloromethane	2.107	50	85313	21.709	ug/l	99
4) Vinyl Chloride	2.241	62	100380	22.161	ug/l	97
5) Bromomethane	2.619	94	77387	22.033	ug/l	99
6) Chloroethane	2.778	64	62064	21.280	ug/l	99
7) Trichlorofluoromethane	3.107	101	112352	20.423	ug/l	98
8) Diethyl Ether	3.521	74	42446	20.377	ug/l	91
9) 1,1,2-Trichlorotrifluo...	3.887	101	67355	20.502	ug/l	99
10) Methyl Iodide	4.076	142	64424	17.185	ug/l	90
11) Tert butyl alcohol	4.942	59	83122	133.095	ug/l #	91
12) 1,1-Dichloroethene	3.863	96	64297	20.203	ug/l	87
13) Acrolein	3.722	56	48130	107.221	ug/l	99
14) Allyl chloride	4.466	41	89631	18.685	ug/l #	87
15) Acrylonitrile	5.149	53	110756	92.621	ug/l	99
16) Acetone	3.942	43	105919	100.480	ug/l #	87
17) Carbon Disulfide	4.180	76	191097	19.703	ug/l	99
18) Methyl Acetate	4.472	43	94273	19.646	ug/l #	91
19) Methyl tert-butyl Ether	5.216	73	166661	18.220	ug/l	98
20) Methylene Chloride	4.704	84	105041	25.011	ug/l	87
21) trans-1,2-Dichloroethene	5.210	96	65913	18.296	ug/l	96
22) Diisopropyl ether	6.112	45	179238	18.133	ug/l	90
23) Vinyl Acetate	6.051	43	526651	92.092	ug/l	95
24) 1,1-Dichloroethane	6.009	63	113153	18.235	ug/l	99
25) 2-Butanone	6.978	43	144869	92.815	ug/l	92
26) 2,2-Dichloropropane	6.972	77	97144	18.367	ug/l	97
27) cis-1,2-Dichloroethene	6.972	96	72567	17.757	ug/l	94
28) Bromochloromethane	7.325	49	53247	20.436	ug/l	86
29) Tetrahydrofuran	7.344	42	97807	97.149	ug/l	88
30) Chloroform	7.502	83	118032	18.235	ug/l	98
31) Cyclohexane	7.777	56	97574	18.425	ug/l	90
32) 1,1,1-Trichloroethane	7.697	97	101911	18.419	ug/l	98
36) 1,1-Dichloropropene	7.911	75	88983	19.372	ug/l	96
37) Ethyl Acetate	7.069	43	63316	20.099	ug/l #	92
38) Carbon Tetrachloride	7.892	117	94578	19.724	ug/l	98
39) Methylcyclohexane	9.179	83	105803	19.270	ug/l	94
40) Benzene	8.155	78	262713	18.894	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	34367m	22.331	ug/l	
42) 1,2-Dichloroethane	8.234	62	80105	19.600	ug/l	94
43) Isopropyl Acetate	8.264	43	102773	19.251	ug/l #	91
44) Trichloroethene	8.935	130	74800	19.296	ug/l	94
45) 1,2-Dichloropropane	9.215	63	68411	19.179	ug/l	98
46) Dibromomethane	9.301	93	44058	20.289	ug/l	96
47) Bromodichloromethane	9.490	83	91862	19.199	ug/l	99
48) Methyl methacrylate	9.289	41	46750	19.257	ug/l #	81
49) 1,4-Dioxane	9.289	88	15565	401.399	ug/l #	46
51) 4-Methyl-2-Pentanone	10.063	43	317498	100.457	ug/l	90
52) Toluene	10.240	92	163552	18.692	ug/l	98
53) t-1,3-Dichloropropene	10.459	75	96646	18.889	ug/l	100
54) cis-1,3-Dichloropropene	9.923	75	108398	18.988	ug/l #	86
55) 1,1,2-Trichloroethane	10.642	97	61733	19.537	ug/l	98
56) Ethyl methacrylate	10.502	69	81134	18.876	ug/l #	81
57) 1,3-Dichloropropane	10.788	76	100076	19.438	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.776	63	221874	106.552	ug/l	97
59) 2-Hexanone	10.831	43	231231	101.282	ug/l	89
60) Dibromochloromethane	10.983	129	72829	19.670	ug/l	99
61) 1,2-Dibromoethane	11.087	107	60671	19.667	ug/l	99
64) Tetrachloroethene	10.715	164	81674	20.278	ug/l	94
65) Chlorobenzene	11.514	112	181556	18.908	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	70035	19.190	ug/l	98
67) Ethyl Benzene	11.587	91	306878	18.741	ug/l	100
68) m/p-Xylenes	11.697	106	239262	36.837	ug/l	97
69) o-Xylene	12.026	106	113776	18.469	ug/l	95
70) Styrene	12.038	104	197855	18.668	ug/l	97
71) Bromoform	12.203	173	55617	20.060	ug/l #	98
73) Isopropylbenzene	12.325	105	300216	18.880	ug/l	99
74) N-amyl acetate	12.142	43	94730	19.739	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.575	83	80688	19.774	ug/l	98
76) 1,2,3-Trichloropropane	12.629	75	55869m	19.610	ug/l	
77) Bromobenzene	12.605	156	81913	18.861	ug/l	96
78) n-propylbenzene	12.666	91	368543	19.000	ug/l	99
79) 2-Chlorotoluene	12.751	91	211651	18.961	ug/l	97
80) 1,3,5-Trimethylbenzene	12.806	105	255861	19.007	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.373	75	28300	19.334	ug/l	87
82) 4-Chlorotoluene	12.849	91	220829	18.883	ug/l	96
83) tert-Butylbenzene	13.074	119	221039	18.684	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	251342	18.711	ug/l	96
85) sec-Butylbenzene	13.251	105	336108	19.253	ug/l	99
86) p-Isopropyltoluene	13.367	119	278627	18.965	ug/l	97
87) 1,3-Dichlorobenzene	13.361	146	161618	19.033	ug/l	98
88) 1,4-Dichlorobenzene	13.440	146	161123	18.933	ug/l	100
89) n-Butylbenzene	13.696	91	262035	19.300	ug/l	99
90) Hexachloroethane	13.958	117	57143	19.636	ug/l	89
91) 1,2-Dichlorobenzene	13.733	146	145347	18.897	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	14963	20.029	ug/l	84
93) 1,2,4-Trichlorobenzene	15.007	180	94968	19.116	ug/l	99
94) Hexachlorobutadiene	15.105	225	63101	20.666	ug/l	98
95) Naphthalene	15.233	128	195821	18.526	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	86922	19.202	ug/l	97

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

