

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082123\
 Data File : VY015214.D
 Acq On : 21 Aug 2023 12:38
 Operator : SY/MD
 Sample : VY0821SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0821SBS01

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 08/22/2023
 Supervised By :Mahesh Dadoda 08/22/2023

Quant Time: Aug 22 01:52:08 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 14 12:43:26 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	187720	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	310670	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	282581	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	143002	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	125754	55.806	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 111.620%			
35) Dibromofluoromethane	7.716	113	109643	54.859	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.720%			
50) Toluene-d8	10.173	98	401616	53.980	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 107.960%			
62) 4-Bromofluorobenzene	12.477	95	145598	53.578	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 107.160%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.900	85	17744	18.950	ug/l	99
3) Chloromethane	2.107	50	21943	17.057	ug/l	94
4) Vinyl Chloride	2.247	62	27423	18.359	ug/l	98
5) Bromomethane	2.619	94	22569	19.466	ug/l	96
6) Chloroethane	2.772	64	20736	19.120	ug/l	91
7) Trichlorofluoromethane	3.107	101	49453	19.648	ug/l	98
8) Diethyl Ether	3.522	74	20253	20.517	ug/l	86
9) 1,1,2-Trichlorotrifluo...	3.887	101	29965	19.156	ug/l	97
10) Methyl Iodide	4.076	142	25816	16.807	ug/l	98
11) Tert butyl alcohol	4.936	59	68546	180.241	ug/l #	89
12) 1,1-Dichloroethene	3.863	96	23835	18.247	ug/l	92
13) Acrolein	3.723	56	23591	141.835	ug/l	97
14) Allyl chloride	4.466	41	44263	19.113	ug/l	97
15) Acrylonitrile	5.155	53	73415	109.745	ug/l	97
16) Acetone	3.942	43	87575	118.963	ug/l	91
17) Carbon Disulfide	4.186	76	36129	15.716	ug/l	97
18) Methyl Acetate	4.473	43	57183	21.197	ug/l	93
19) Methyl tert-butyl Ether	5.216	73	117036	21.072	ug/l	93
20) Methylene Chloride	4.704	84	56966	30.598	ug/l	88
21) trans-1,2-Dichloroethene	5.210	96	28216	19.150	ug/l	97
22) Diisopropyl ether	6.113	45	114123	19.749	ug/l	94
23) Vinyl Acetate	6.052	43	340522	98.755	ug/l #	94
24) 1,1-Dichloroethane	6.003	63	63145	20.183	ug/l	98
25) 2-Butanone	6.978	43	120494	115.603	ug/l	96
26) 2,2-Dichloropropane	6.972	77	59274	19.653	ug/l	98
27) cis-1,2-Dichloroethene	6.978	96	40319	20.032	ug/l	95
28) Bromochloromethane	7.320	49	31787	22.115	ug/l	90
29) Tetrahydrofuran	7.344	42	67710	108.641	ug/l	92
30) Chloroform	7.496	83	72266	20.605	ug/l	96
31) Cyclohexane	7.777	56	39321	17.896	ug/l #	85
32) 1,1,1-Trichloroethane	7.691	97	59735	20.015	ug/l	99
36) 1,1-Dichloropropene	7.911	75	41841	18.923	ug/l	100
37) Ethyl Acetate	7.070	43	43129	20.926	ug/l #	96
38) Carbon Tetrachloride	7.899	117	49456	18.899	ug/l	98
39) Methylcyclohexane	9.179	83	43291	17.465	ug/l	95
40) Benzene	8.155	78	130346	19.498	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.301	41	20899m	19.664	ug/l	
42) 1,2-Dichloroethane	8.234	62	49986	20.589	ug/l	94
43) Isopropyl Acetate	8.265	43	77288	20.592	ug/l	97
44) Trichloroethene	8.935	130	38679	20.083	ug/l	95
45) 1,2-Dichloropropane	9.210	63	38143	20.234	ug/l	98
46) Dibromomethane	9.301	93	24882	20.928	ug/l	97
47) Bromodichloromethane	9.490	83	57742	20.352	ug/l	100
48) Methyl methacrylate	9.289	41	34230	21.319	ug/l	94
49) 1,4-Dioxane	9.295	88	10358	435.675	ug/l #	66
51) 4-Methyl-2-Pentanone	10.063	43	236570	108.755	ug/l	94
52) Toluene	10.240	92	87533	19.866	ug/l	95
53) t-1,3-Dichloropropene	10.459	75	59595	19.987	ug/l	99
54) cis-1,3-Dichloropropene	9.923	75	62014	19.749	ug/l	95
55) 1,1,2-Trichloroethane	10.642	97	38285	21.178	ug/l	96
56) Ethyl methacrylate	10.508	69	53621	20.267	ug/l	92
57) 1,3-Dichloropropane	10.789	76	60380	20.443	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.777	63	135867	110.350	ug/l	93
59) 2-Hexanone	10.831	43	181080	112.478	ug/l	93
60) Dibromochloromethane	10.977	129	44669	20.714	ug/l	99
61) 1,2-Dibromoethane	11.087	107	36017	20.972	ug/l	96
64) Tetrachloroethene	10.715	164	41900	21.283	ug/l	98
65) Chlorobenzene	11.514	112	103307	20.065	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	42300	20.248	ug/l	99
67) Ethyl Benzene	11.587	91	177079	19.630	ug/l	100
68) m/p-Xylenes	11.697	106	135738	39.618	ug/l	95
69) o-Xylene	12.026	106	67952	19.909	ug/l	98
70) Styrene	12.038	104	116366	19.699	ug/l	96
71) Bromoform	12.203	173	30390	20.067	ug/l #	98
73) Isopropylbenzene	12.325	105	183013	19.902	ug/l	100
74) N-amyl acetate	12.142	43	68794	20.721	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.581	83	49021	20.469	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	35419m	20.387	ug/l	
77) Bromobenzene	12.605	156	45544	20.319	ug/l	99
78) n-propylbenzene	12.666	91	215729	19.756	ug/l	99
79) 2-Chlorotoluene	12.752	91	125710	19.956	ug/l	99
80) 1,3,5-Trimethylbenzene	12.806	105	152033	19.834	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.374	75	15609	19.734	ug/l	99
82) 4-Chlorotoluene	12.849	91	128889	19.805	ug/l	99
83) tert-Butylbenzene	13.069	119	138596	19.768	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	151918	19.834	ug/l	98
85) sec-Butylbenzene	13.251	105	198712	19.344	ug/l	100
86) p-Isopropyltoluene	13.367	119	168985	19.841	ug/l	99
87) 1,3-Dichlorobenzene	13.361	146	89414	20.112	ug/l	98
88) 1,4-Dichlorobenzene	13.440	146	90295	20.250	ug/l	98
89) n-Butylbenzene	13.690	91	157866	19.659	ug/l	96
90) Hexachloroethane	13.959	117	32117	19.008	ug/l	91
91) 1,2-Dichlorobenzene	13.733	146	85168	20.507	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	10282	22.162	ug/l	92
93) 1,2,4-Trichlorobenzene	15.001	180	55737	20.904	ug/l	98
94) Hexachlorobutadiene	15.111	225	30428	20.980	ug/l	96
95) Naphthalene	15.233	128	139322	20.976	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	51628	21.440	ug/l	100

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

