

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071723\
 Data File : VY014666.D
 Acq On : 17 Jul 2023 12:46
 Operator : SY/MD
 Sample : VY0717SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0717SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/18/2023
 Supervised By : Mahesh Dadoda 07/18/2023

Quant Time: Jul 18 06:08:05 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 14 02:09:50 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	289664	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	482361	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	428703	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	215368	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	175300	53.108	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.220%			
35) Dibromofluoromethane	7.716	113	163543	53.261	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.520%			
50) Toluene-d8	10.179	98	587406	51.888	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 103.780%			
62) 4-Bromofluorobenzene	12.477	95	224454	51.708	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 103.420%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	55698	23.601	ug/l	97
3) Chloromethane	2.107	50	65287	24.611	ug/l	97
4) Vinyl Chloride	2.247	62	72543	24.468	ug/l	97
5) Bromomethane	2.625	94	48394	24.700	ug/l	93
6) Chloroethane	2.778	64	45670	24.661	ug/l	89
7) Trichlorofluoromethane	3.113	101	110557	22.203	ug/l	96
8) Diethyl Ether	3.521	74	41746	22.533	ug/l	88
9) 1,1,2-Trichlorotrifluo...	3.887	101	64107	21.005	ug/l	96
10) Methyl Iodide	4.082	142	68793	22.625	ug/l	94
11) Tert butyl alcohol	4.936	59	146824	211.167	ug/l #	89
12) 1,1-Dichloroethene	3.863	96	61166	21.443	ug/l	91
13) Acrolein	3.722	56	35905	104.072	ug/l	98
14) Allyl chloride	4.472	41	106938	21.114	ug/l	95
15) Acrylonitrile	5.155	53	123241	120.632	ug/l	98
16) Acetone	3.942	43	118756	113.534	ug/l	92
17) Carbon Disulfide	4.186	76	176747	21.643	ug/l	97
18) Methyl Acetate	4.472	43	98527	24.546	ug/l	93
19) Methyl tert-butyl Ether	5.216	73	209588	22.619	ug/l	98
20) Methylene Chloride	4.710	84	87942	23.656	ug/l	89
21) trans-1,2-Dichloroethene	5.210	96	70645	21.824	ug/l	100
22) Diisopropyl ether	6.112	45	219934	21.359	ug/l	94
23) Vinyl Acetate	6.051	43	675374	109.603	ug/l #	94
24) 1,1-Dichloroethane	6.009	63	125998	21.385	ug/l	95
25) 2-Butanone	6.978	43	186577	121.923	ug/l	97
26) 2,2-Dichloropropane	6.972	77	123427	21.981	ug/l	100
27) cis-1,2-Dichloroethene	6.978	96	82919	22.006	ug/l	98
28) Bromochloromethane	7.332	49	58270	22.964	ug/l	93
29) Tetrahydrofuran	7.344	42	116830	123.987	ug/l	92
30) Chloroform	7.502	83	132647	21.833	ug/l	94
31) Cyclohexane	7.777	56	111382	20.327	ug/l	91
32) 1,1,1-Trichloroethane	7.697	97	117578	21.502	ug/l	98
36) 1,1-Dichloropropene	7.911	75	97749	21.287	ug/l	99
37) Ethyl Acetate	7.069	43	74133	23.448	ug/l #	94
38) Carbon Tetrachloride	7.899	117	102395	21.094	ug/l	97
39) Methylcyclohexane	9.179	83	123013	20.562	ug/l	95
40) Benzene	8.155	78	282776	21.652	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	34710m	21.345	ug/l	
42) 1,2-Dichloroethane	8.234	62	92067	22.262	ug/l	94
43) Isopropyl Acetate	8.270	43	138470	22.992	ug/l	97
44) Trichloroethene	8.935	130	81206	22.224	ug/l	98
45) 1,2-Dichloropropane	9.215	63	73331	21.503	ug/l	98
46) Dibromomethane	9.301	93	46011	22.240	ug/l	97
47) Bromodichloromethane	9.496	83	106536	21.849	ug/l	98
48) Methyl methacrylate	9.289	41	64076	23.645	ug/l	93
49) 1,4-Dioxane	9.301	88	17231	510.794	ug/l #	53
51) 4-Methyl-2-Pentanone	10.069	43	380204	120.239	ug/l	94
52) Toluene	10.240	92	180942	21.652	ug/l	94
53) t-1,3-Dichloropropene	10.465	75	114807	21.526	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	124607	21.484	ug/l	93
55) 1,1,2-Trichloroethane	10.642	97	65032	22.567	ug/l	95
56) Ethyl methacrylate	10.508	69	100941	22.941	ug/l	90
57) 1,3-Dichloropropane	10.788	76	110870	22.306	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	238435	116.301	ug/l	94
59) 2-Hexanone	10.831	43	280983	121.851	ug/l	92
60) Dibromochloromethane	10.983	129	78465	22.207	ug/l	99
61) 1,2-Dibromoethane	11.087	107	65848	22.905	ug/l	99
64) Tetrachloroethene	10.721	164	77706	22.537	ug/l	96
65) Chlorobenzene	11.514	112	197302	21.597	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	75775	21.999	ug/l	98
67) Ethyl Benzene	11.587	91	355297	21.541	ug/l	100
68) m/p-Xylenes	11.703	106	272055	43.209	ug/l	97
69) o-Xylene	12.026	106	130361	21.257	ug/l	100
70) Styrene	12.044	104	224157	21.687	ug/l	98
71) Bromoform	12.203	173	53013	22.706	ug/l #	99
73) Isopropylbenzene	12.325	105	347853	20.628	ug/l	99
74) N-amyl acetate	12.142	43	124339	22.015	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.581	83	84610	22.002	ug/l	100
76) 1,2,3-Trichloropropane	12.629	75	61119m	22.470	ug/l	
77) Bromobenzene	12.605	156	82242	21.365	ug/l	95
78) n-propylbenzene	12.666	91	418330	20.586	ug/l	99
79) 2-Chlorotoluene	12.751	91	241524	20.635	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	294384	20.903	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.373	75	31133	22.161	ug/l	94
82) 4-Chlorotoluene	12.849	91	247896	20.565	ug/l	100
83) tert-Butylbenzene	13.074	119	259023	20.734	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	291392	21.083	ug/l	100
85) sec-Butylbenzene	13.251	105	379245	20.694	ug/l	100
86) p-Isopropyltoluene	13.367	119	314107	20.993	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	159012	21.225	ug/l	98
88) 1,4-Dichlorobenzene	13.446	146	162398	21.632	ug/l	98
89) n-Butylbenzene	13.696	91	298204	20.485	ug/l	96
90) Hexachloroethane	13.958	117	64150	20.873	ug/l	89
91) 1,2-Dichlorobenzene	13.739	146	149267	21.746	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.349	75	16789	22.829	ug/l	91
93) 1,2,4-Trichlorobenzene	15.007	180	95311	21.874	ug/l	98
94) Hexachlorobutadiene	15.111	225	50599	21.132	ug/l	98
95) Naphthalene	15.233	128	232536	22.907	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	84930	21.932	ug/l	98

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

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