

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072423\
 Data File : VY014765.D
 Acq On : 24 Jul 2023 12:21
 Operator : SY/MD
 Sample : VY0724SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0724SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/25/2023
 Supervised By : Mahesh Dadoda 07/25/2023

Quant Time: Jul 24 13:01:08 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	242452	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	400399	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	356539	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	179580	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	130463	47.221	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.440%		
35) Dibromofluoromethane	7.710	113	121337	47.605	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	95.200%		
50) Toluene-d8	10.173	98	431920	45.963	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	91.920%		
62) 4-Bromofluorobenzene	12.477	95	161261	44.755	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	89.520%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.900	85	40622	20.565	ug/l	98
3) Chloromethane	2.107	50	51517	23.201	ug/l	100
4) Vinyl Chloride	2.241	62	58093	23.410	ug/l	99
5) Bromomethane	2.619	94	38862	23.697	ug/l	95
6) Chloroethane	2.778	64	36409	23.488	ug/l	94
7) Trichlorofluoromethane	3.113	101	83425	20.017	ug/l	94
8) Diethyl Ether	3.521	74	30092	19.405	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.887	101	48547	19.004	ug/l	96
10) Methyl Iodide	4.082	142	53164	21.071	ug/l	97
11) Tert butyl alcohol	4.942	59	82616	134.705	ug/l #	93
12) 1,1-Dichloroethene	3.863	96	45627	19.111	ug/l	94
13) Acrolein	3.723	56	25865	89.569	ug/l	97
14) Allyl chloride	4.472	41	74607	17.599	ug/l	97
15) Acrylonitrile	5.155	53	89541	104.713	ug/l	99
16) Acetone	3.948	43	78791	89.995	ug/l	94
17) Carbon Disulfide	4.180	76	126842	18.557	ug/l	99
18) Methyl Acetate	4.472	43	76200	22.680	ug/l	95
19) Methyl tert-butyl Ether	5.210	73	151389	19.520	ug/l	99
20) Methylene Chloride	4.704	84	66000	20.734	ug/l	91
21) trans-1,2-Dichloroethene	5.210	96	51602	19.045	ug/l	97
22) Diisopropyl ether	6.119	45	160049	18.570	ug/l	92
23) Vinyl Acetate	6.051	43	481769	93.408	ug/l	96
24) 1,1-Dichloroethane	6.009	63	92109	18.678	ug/l	98
25) 2-Butanone	6.978	43	128582	100.387	ug/l	95
26) 2,2-Dichloropropane	6.972	77	85242	18.137	ug/l	100
27) cis-1,2-Dichloroethene	6.978	96	61190	19.402	ug/l	95
28) Bromochloromethane	7.326	49	41434	19.509	ug/l	92
29) Tetrahydrofuran	7.338	42	84490	107.126	ug/l	93
30) Chloroform	7.502	83	98459	19.361	ug/l	95
31) Cyclohexane	7.783	56	81774	17.830	ug/l	89
32) 1,1,1-Trichloroethane	7.698	97	87492	19.116	ug/l	99
36) 1,1-Dichloropropene	7.911	75	71945	18.875	ug/l	99
37) Ethyl Acetate	7.070	43	53599	20.424	ug/l #	94
38) Carbon Tetrachloride	7.893	117	77026	19.116	ug/l	99
39) Methylcyclohexane	9.179	83	91545	18.435	ug/l	94
40) Benzene	8.155	78	208490	19.232	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	26087m	19.326	ug/l	
42) 1,2-Dichloroethane	8.234	62	68223	19.873	ug/l	94
43) Isopropyl Acetate	8.271	43	99451	19.894	ug/l	97
44) Trichloroethene	8.935	130	58653	19.337	ug/l	100
45) 1,2-Dichloropropane	9.209	63	52856	18.672	ug/l	96
46) Dibromomethane	9.301	93	33771	19.665	ug/l	97
47) Bromodichloromethane	9.490	83	77093	19.047	ug/l	97
48) Methyl methacrylate	9.289	41	43628	19.395	ug/l	93
49) 1,4-Dioxane	9.295	88	11400	407.117	ug/l #	60
51) 4-Methyl-2-Pentanone	10.063	43	278154	105.972	ug/l	94
52) Toluene	10.240	92	133664	19.268	ug/l	93
53) t-1,3-Dichloropropene	10.459	75	83756	18.918	ug/l	99
54) cis-1,3-Dichloropropene	9.923	75	88644	18.412	ug/l	94
55) 1,1,2-Trichloroethane	10.642	97	48347	20.211	ug/l	97
56) Ethyl methacrylate	10.508	69	71437	19.559	ug/l	90
57) 1,3-Dichloropropane	10.782	76	80373	19.480	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.776	63	171427	100.733	ug/l	93
59) 2-Hexanone	10.825	43	200558	104.777	ug/l	92
60) Dibromochloromethane	10.977	129	57733	19.685	ug/l	100
61) 1,2-Dibromoethane	11.087	107	47873	20.061	ug/l	99
64) Tetrachloroethene	10.715	164	56729	19.783	ug/l	96
65) Chlorobenzene	11.514	112	145326	19.128	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	55668	19.433	ug/l	99
67) Ethyl Benzene	11.587	91	260543	18.993	ug/l	99
68) m/p-Xylenes	11.697	106	200353	38.261	ug/l	96
69) o-Xylene	12.026	106	98102	19.234	ug/l	98
70) Styrene	12.038	104	166125	19.325	ug/l	97
71) Bromoform	12.203	173	39735	20.463	ug/l #	98
73) Isopropylbenzene	12.325	105	256996	18.277	ug/l	100
74) N-amyl acetate	12.136	43	86787	18.429	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.575	83	61386	19.144	ug/l	98
76) 1,2,3-Trichloropropane	12.630	75	52825m	23.291	ug/l	
77) Bromobenzene	12.605	156	61445	19.144	ug/l	98
78) n-propylbenzene	12.666	91	309806	18.284	ug/l	100
79) 2-Chlorotoluene	12.751	91	177435	18.181	ug/l	99
80) 1,3,5-Trimethylbenzene	12.806	105	214749	18.287	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.374	75	21576	18.419	ug/l	92
82) 4-Chlorotoluene	12.849	91	179147	17.824	ug/l	99
83) tert-Butylbenzene	13.069	119	193053	18.533	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	212600	18.448	ug/l	98
85) sec-Butylbenzene	13.251	105	281261	18.406	ug/l	100
86) p-Isopropyltoluene	13.367	119	234982	18.834	ug/l	99
87) 1,3-Dichlorobenzene	13.361	146	120773	19.333	ug/l	99
88) 1,4-Dichlorobenzene	13.440	146	118677	18.958	ug/l	98
89) n-Butylbenzene	13.690	91	220656	18.178	ug/l	97
90) Hexachloroethane	13.959	117	46039	17.965	ug/l	88
91) 1,2-Dichlorobenzene	13.733	146	110983	19.391	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	12414	20.244	ug/l	96
93) 1,2,4-Trichlorobenzene	15.001	180	68367	18.818	ug/l	98
94) Hexachlorobutadiene	15.105	225	36572	18.318	ug/l	99
95) Naphthalene	15.233	128	165550	19.558	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	61597	19.077	ug/l	99

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

