

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072823\
 Data File : VY014899.D
 Acq On : 28 Jul 2023 11:20
 Operator : SY/MD
 Sample : VY0728SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0728SBS01

Quant Time: Jul 29 03:01:15 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

Manual Integrations APPROVED

Reviewed By : John Carlone 07/31/2023
 Supervised By : Mahesh Dadoda 07/31/2023

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	198443	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	331489	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	299913	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	153010	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	120760	53.402	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.800%			
35) Dibromofluoromethane	7.710	113	108829	51.573	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.140%			
50) Toluene-d8	10.173	98	390684	50.218	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.440%			
62) 4-Bromofluorobenzene	12.477	95	145061	48.628	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 97.260%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	28278	17.491	ug/l	93
3) Chloromethane	2.107	50	37894	20.851	ug/l	96
4) Vinyl Chloride	2.241	62	43443	21.389	ug/l	99
5) Bromomethane	2.619	94	32465	24.187	ug/l	97
6) Chloroethane	2.772	64	28255	22.271	ug/l	97
7) Trichlorofluoromethane	3.107	101	62146	18.218	ug/l	98
8) Diethyl Ether	3.521	74	22416	17.661	ug/l	89
9) 1,1,2-Trichlorotrifluo...	3.881	101	35227	16.848	ug/l	96
10) Methyl Iodide	4.076	142	29102	14.877	ug/l	98
11) Tert butyl alcohol	4.942	59	63021	124.339	ug/l #	93
12) 1,1-Dichloroethene	3.857	96	32938	16.855	ug/l	92
13) Acrolein	3.723	56	19619	83.007	ug/l	99
14) Allyl chloride	4.466	41	52884	15.242	ug/l	97
15) Acrylonitrile	5.155	53	69368	99.112	ug/l	98
16) Acetone	3.942	43	67927	94.792	ug/l	91
17) Carbon Disulfide	4.180	76	87196	15.585	ug/l	98
18) Methyl Acetate	4.466	43	55938	20.342	ug/l	92
19) Methyl tert-butyl Ether	5.210	73	111488	17.563	ug/l	97
20) Methylene Chloride	4.704	84	49999	18.847	ug/l	89
21) trans-1,2-Dichloroethene	5.204	96	37352	16.843	ug/l	94
22) Diisopropyl ether	6.106	45	116201	16.472	ug/l	95
23) Vinyl Acetate	6.051	43	358539	84.932	ug/l #	93
24) 1,1-Dichloroethane	6.009	63	68161	16.887	ug/l #	95
25) 2-Butanone	6.978	43	105518	100.650	ug/l	100
26) 2,2-Dichloropropane	6.972	77	62164	16.160	ug/l	99
27) cis-1,2-Dichloroethene	6.972	96	44813	17.360	ug/l	94
28) Bromochloromethane	7.326	49	36240	20.847	ug/l	95
29) Tetrahydrofuran	7.344	42	64706	100.236	ug/l	91
30) Chloroform	7.496	83	71817	17.254	ug/l	94
31) Cyclohexane	7.777	56	58643	15.622	ug/l	86
32) 1,1,1-Trichloroethane	7.691	97	62944	16.802	ug/l	99
36) 1,1-Dichloropropene	7.911	75	52305	16.575	ug/l	99
37) Ethyl Acetate	7.070	43	40659	18.714	ug/l #	95
38) Carbon Tetrachloride	7.893	117	55298	16.577	ug/l	97
39) Methylcyclohexane	9.179	83	63545	15.456	ug/l	92
40) Benzene	8.155	78	152770	17.022	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	21151m	18.926	ug/l	
42) 1,2-Dichloroethane	8.228	62	51926	18.270	ug/l	96
43) Isopropyl Acetate	8.264	43	73517	17.763	ug/l	97
44) Trichloroethene	8.935	130	42355	16.867	ug/l	97
45) 1,2-Dichloropropane	9.209	63	39758	16.965	ug/l	95
46) Dibromomethane	9.301	93	25600	18.006	ug/l	95
47) Bromodichloromethane	9.490	83	57706	17.221	ug/l	99
48) Methyl methacrylate	9.289	41	32735	17.577	ug/l	94
49) 1,4-Dioxane	9.295	88	9182	396.073	ug/l #	47
51) 4-Methyl-2-Pentanone	10.063	43	211949	97.535	ug/l	94
52) Toluene	10.240	92	96875	16.868	ug/l	96
53) t-1,3-Dichloropropene	10.459	75	59325	16.186	ug/l	97
54) cis-1,3-Dichloropropene	9.923	75	65080	16.328	ug/l	94
55) 1,1,2-Trichloroethane	10.636	97	37060	18.713	ug/l	97
56) Ethyl methacrylate	10.502	69	52232	17.274	ug/l	89
57) 1,3-Dichloropropane	10.782	76	61076	17.880	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.776	63	143012	101.506	ug/l	94
59) 2-Hexanone	10.825	43	155270	97.980	ug/l	92
60) Dibromochloromethane	10.977	129	42263	17.406	ug/l	98
61) 1,2-Dibromoethane	11.081	107	35201	17.817	ug/l	99
64) Tetrachloroethene	10.715	164	42193	17.492	ug/l	97
65) Chlorobenzene	11.508	112	107248	16.781	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.581	131	40229	16.695	ug/l	98
67) Ethyl Benzene	11.587	91	186687	16.179	ug/l	98
68) m/p-Xylenes	11.697	106	142452	32.340	ug/l	98
69) o-Xylene	12.026	106	71122	16.577	ug/l	96
70) Styrene	12.038	104	120767	16.701	ug/l	96
71) Bromoform	12.203	173	28074	17.188	ug/l #	98
73) Isopropylbenzene	12.325	105	187133	15.619	ug/l	100
74) N-amyl acetate	12.136	43	64466	16.066	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.575	83	46912	17.170	ug/l	97
76) 1,2,3-Trichloropropane	12.630	75	37379m	19.343	ug/l	
77) Bromobenzene	12.605	156	44991	16.451	ug/l	98
78) n-propylbenzene	12.666	91	225116	15.593	ug/l	100
79) 2-Chlorotoluene	12.751	91	126786	15.247	ug/l	100
80) 1,3,5-Trimethylbenzene	12.806	105	156978	15.689	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.374	75	14445	14.473	ug/l	100
82) 4-Chlorotoluene	12.849	91	131527	15.358	ug/l	100
83) tert-Butylbenzene	13.069	119	137222	15.460	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	155729	15.859	ug/l	98
85) sec-Butylbenzene	13.245	105	205989	15.821	ug/l	99
86) p-Isopropyltoluene	13.361	119	169300	15.926	ug/l	99
87) 1,3-Dichlorobenzene	13.361	146	89183	16.755	ug/l	99
88) 1,4-Dichlorobenzene	13.440	146	90039	16.881	ug/l	98
89) n-Butylbenzene	13.690	91	161291	15.595	ug/l	97
90) Hexachloroethane	13.952	117	32985	15.107	ug/l	89
91) 1,2-Dichlorobenzene	13.733	146	81364	16.685	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.349	75	9115	17.445	ug/l	94
93) 1,2,4-Trichlorobenzene	15.001	180	50684	16.373	ug/l	97
94) Hexachlorobutadiene	15.105	225	28046	16.487	ug/l	96
95) Naphthalene	15.233	128	125792	17.442	ug/l	99
96) 1,2,3-Trichlorobenzene	15.416	180	46662	16.961	ug/l	99

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

