

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092623\
 Data File : VY015707.D
 Acq On : 26 Sep 2023 13:02
 Operator : SY/MD
 Sample : VY0926SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0926SBS01

Quant Time: Sep 27 01:31:02 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091923S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 20 01:39:40 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 09/27/2023
 Supervised By : Mahesh Dadoda 09/27/2023

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	142718	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	237051	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	214573	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	111163	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	98334	62.621	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 125.240%	
35) Dibromofluoromethane	7.716	113	89079	62.783	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 125.560%	
50) Toluene-d8	10.179	98	318714	66.250	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 132.500%	
62) 4-Bromofluorobenzene	12.483	95	115860	61.370	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 122.740%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	19311	20.527	ug/l	98
3) Chloromethane	2.107	50	23262	19.600	ug/l	94
4) Vinyl Chloride	2.247	62	27957	20.603	ug/l	100
5) Bromomethane	2.643	94	20054	17.330	ug/l	99
6) Chloroethane	2.784	64	19027	18.918	ug/l	90
7) Trichlorofluoromethane	3.113	101	52892	23.242	ug/l	98
8) Diethyl Ether	3.527	74	21088	21.730	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.893	101	32059	22.499	ug/l	94
10) Methyl Iodide	4.088	142	26608	17.742	ug/l	99
11) Tert butyl alcohol	5.003	59	39479m	91.852	ug/l	
12) 1,1-Dichloroethene	3.869	96	26500	21.106	ug/l	88
13) Acrolein	3.735	56	21277	88.474	ug/l	100
14) Allyl chloride	4.466	41	48638	21.187	ug/l	92
15) Acrylonitrile	5.167	53	84303	118.416	ug/l	98
16) Acetone	3.966	43	111962	133.232	ug/l	# 89
17) Carbon Disulfide	4.186	76	44193	18.118	ug/l	99
18) Methyl Acetate	4.485	43	65943	23.388	ug/l	94
19) Methyl tert-butyl Ether	5.228	73	114590	22.408	ug/l	98
20) Methylene Chloride	4.710	84	63920	33.096	ug/l	97
21) trans-1,2-Dichloroethene	5.216	96	30061	20.946	ug/l	93
22) Diisopropyl ether	6.118	45	121245	21.946	ug/l	95
23) Vinyl Acetate	6.057	43	374484	109.818	ug/l	98
24) 1,1-Dichloroethane	6.015	63	65455	21.736	ug/l	97
25) 2-Butanone	6.990	43	151556	127.593	ug/l	96
26) 2,2-Dichloropropane	6.978	77	59473	21.608	ug/l	99
27) cis-1,2-Dichloroethene	6.984	96	41796	21.937	ug/l	95
28) Bromochloromethane	7.332	49	14351	17.566	ug/l	100
29) Tetrahydrofuran	7.356	42	81201	120.950	ug/l	95
30) Chloroform	7.508	83	71503	22.173	ug/l	99
31) Cyclohexane	7.783	56	44608	20.506	ug/l	91
32) 1,1,1-Trichloroethane	7.697	97	59207	22.240	ug/l	98
36) 1,1-Dichloropropene	7.917	75	45935	21.896	ug/l	98
37) Ethyl Acetate	7.076	43	52813	25.239	ug/l	96
38) Carbon Tetrachloride	7.899	117	51218	22.492	ug/l	98
39) Methylcyclohexane	9.185	83	49073	21.149	ug/l	94
40) Benzene	8.161	78	139734	21.842	ug/l	99

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41) Methacrylonitrile	7.307	41	21911	19.447	ug/l	94
42) 1,2-Dichloroethane	8.234	62	49125	22.421	ug/l	95
43) Isopropyl Acetate	8.277	43	84303	23.585	ug/l	98
44) Trichloroethene	8.941	130	40087	22.435	ug/l	100
45) 1,2-Dichloropropane	9.215	63	39428	22.100	ug/l	95
46) Dibromomethane	9.307	93	25615	22.445	ug/l	95
47) Bromodichloromethane	9.496	83	57430	22.577	ug/l	100
48) Methyl methacrylate	9.295	41	36798	23.454	ug/l	91
49) 1,4-Dioxane	9.313	88	12825	568.843	ug/l #	56
51) 4-Methyl-2-Pentanone	10.069	43	276964	125.013	ug/l	94
52) Toluene	10.240	92	92258	22.369	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	60871	22.315	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	64776	22.060	ug/l	91
55) 1,1,2-Trichloroethane	10.642	97	38705	23.143	ug/l	98
56) Ethyl methacrylate	10.508	69	56283	22.836	ug/l	89
57) 1,3-Dichloropropane	10.788	76	64012	22.824	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	76078	97.177	ug/l	96
59) 2-Hexanone	10.831	43	221851	130.520	ug/l	91
60) Dibromochloromethane	10.983	129	44303	22.693	ug/l	99
61) 1,2-Dibromoethane	11.087	107	37078	22.662	ug/l	100
64) Tetrachloroethene	10.721	164	45224	24.565	ug/l	96
65) Chlorobenzene	11.514	112	104814	22.378	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	42354	23.280	ug/l	99
67) Ethyl Benzene	11.593	91	186253	22.751	ug/l	100
68) m/p-Xylenes	11.703	106	142040	45.648	ug/l	96
69) o-Xylene	12.026	106	68495	22.449	ug/l	100
70) Styrene	12.044	104	119739	22.927	ug/l	97
71) Bromoform	12.209	173	31593	23.963	ug/l #	98
73) Isopropylbenzene	12.331	105	188962	22.660	ug/l	100
74) N-amyl acetate	12.142	43	72428	23.109	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	12.581	83	54759	23.594	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	42709m	24.083	ug/l	
77) Bromobenzene	12.605	156	45088	22.027	ug/l	92
78) n-propylbenzene	12.672	91	230256	22.728	ug/l	99
79) 2-Chlorotoluene	12.757	91	128654	22.279	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	157897	22.617	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	18623	23.648	ug/l	93
82) 4-Chlorotoluene	12.855	91	135477	22.473	ug/l	100
83) tert-Butylbenzene	13.075	119	137878	22.550	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	157495	22.547	ug/l	98
85) sec-Butylbenzene	13.251	105	208044	22.736	ug/l	99
86) p-Isopropyltoluene	13.367	119	173246	22.666	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	91244	22.469	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	93135	22.931	ug/l	99
89) n-Butylbenzene	13.696	91	164097	22.672	ug/l	98
90) Hexachloroethane	13.959	117	32879	22.288	ug/l	88
91) 1,2-Dichlorobenzene	13.739	146	85719	22.866	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	11532	25.018	ug/l	93
93) 1,2,4-Trichlorobenzene	15.007	180	54213	22.972	ug/l	99
94) Hexachlorobutadiene	15.111	225	26340	21.794	ug/l	97
95) Naphthalene	15.233	128	145590	23.659	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	50626	23.242	ug/l	97

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

