

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092623\
 Data File : VY015708.D
 Acq On : 26 Sep 2023 14:03
 Operator : SY/MD
 Sample : VY0926SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0926SBS01

Manual Integrations
 APPROVED

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

Quant Time: Sep 27 01:31:52 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

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	160212	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.697	114	263870	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.496	117	239283	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	126009	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	99928	56.688	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 113.380%			
35) Dibromofluoromethane	7.722	113	89478	56.655	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 113.300%			
50) Toluene-d8	10.185	98	323881	60.482	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 120.960%			
62) 4-Bromofluorobenzene	12.483	95	117260	55.798	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 111.600%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.912	85	19823	18.771	ug/l	98
3) Chloromethane	2.113	50	23258	17.457	ug/l	93
4) Vinyl Chloride	2.253	62	27941	18.342	ug/l	96
5) Bromomethane	2.650	94	19237	15.091	ug/l	100
6) Chloroethane	2.790	64	17029	15.082	ug/l	97
7) Trichlorofluoromethane	3.119	101	53388	20.898	ug/l	96
8) Diethyl Ether	3.534	74	21092	19.361	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.899	101	32187	20.123	ug/l	94
10) Methyl Iodide	4.088	142	28033	16.819	ug/l	96
11) Tert butyl alcohol	5.021	59	53242m	126.100	ug/l	
12) 1,1-Dichloroethene	3.875	96	26289	18.651	ug/l	89
13) Acrolein	3.741	56	27028	100.116	ug/l	100
14) Allyl chloride	4.485	41	48770	18.925	ug/l	94
15) Acrylonitrile	5.180	53	95717	119.767	ug/l	99
16) Acetone	3.972	43	126967	134.590	ug/l	92
17) Carbon Disulfide	4.192	76	43007	15.706	ug/l	97
18) Methyl Acetate	4.491	43	72197	22.810	ug/l	94
19) Methyl tert-butyl Ether	5.234	73	115746	20.163	ug/l	99
20) Methylene Chloride	4.716	84	63370	28.602	ug/l	93
21) trans-1,2-Dichloroethene	5.222	96	30473	18.915	ug/l	99
22) Diisopropyl ether	6.131	45	120076	19.361	ug/l	96
23) Vinyl Acetate	6.070	43	394644	103.093	ug/l #	95
24) 1,1-Dichloroethane	6.021	63	64521	19.087	ug/l	98
25) 2-Butanone	7.002	43	172270	129.195	ug/l	99
26) 2,2-Dichloropropane	6.990	77	59986	19.415	ug/l	99
27) cis-1,2-Dichloroethene	6.990	96	40538	18.954	ug/l	99
28) Bromochloromethane	7.338	49	15136	16.503	ug/l	99
29) Tetrahydrofuran	7.362	42	95358	126.527	ug/l	94
30) Chloroform	7.508	83	69743	19.265	ug/l	100
31) Cyclohexane	7.795	56	44850	18.366	ug/l	96
32) 1,1,1-Trichloroethane	7.710	97	59324	19.851	ug/l	99
36) 1,1-Dichloropropene	7.923	75	45280	19.390	ug/l	98
37) Ethyl Acetate	7.082	43	61955	26.599	ug/l	98
38) Carbon Tetrachloride	7.911	117	49638	19.583	ug/l	97
39) Methylcyclohexane	9.191	83	49147	19.028	ug/l	93
40) Benzene	8.167	78	139058	19.527	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	26825	21.389	ug/l #	91
42) 1,2-Dichloroethane	8.240	62	49032	20.104	ug/l	95
43) Isopropyl Acetate	8.283	43	89191	22.416	ug/l	98
44) Trichloroethene	8.947	130	40986	20.606	ug/l	98
45) 1,2-Dichloropropane	9.222	63	39276	19.777	ug/l	96
46) Dibromomethane	9.307	93	25523	20.092	ug/l	97
47) Bromodichloromethane	9.502	83	56376	19.910	ug/l	100
48) Methyl methacrylate	9.301	41	38474	22.030	ug/l	89
49) 1,4-Dioxane	9.331	88	15962	636.025	ug/l #	49
51) 4-Methyl-2-Pentanone	10.075	43	305383	123.831	ug/l	94
52) Toluene	10.246	92	91242	19.874	ug/l	93
53) t-1,3-Dichloropropene	10.471	75	60086	19.788	ug/l	97
54) cis-1,3-Dichloropropene	9.935	75	64355	19.689	ug/l #	89
55) 1,1,2-Trichloroethane	10.648	97	39949	21.459	ug/l	95
56) Ethyl methacrylate	10.514	69	57619	21.002	ug/l	90
57) 1,3-Dichloropropane	10.794	76	64413	20.633	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.789	63	88145	101.148	ug/l	96
59) 2-Hexanone	10.837	43	249901	132.080	ug/l	91
60) Dibromochloromethane	10.983	129	45087	20.747	ug/l	99
61) 1,2-Dibromoethane	11.093	107	37979	20.853	ug/l	99
64) Tetrachloroethene	10.721	164	44464	21.658	ug/l	95
65) Chlorobenzene	11.520	112	104482	20.004	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	40555	19.989	ug/l	98
67) Ethyl Benzene	11.593	91	181392	19.869	ug/l	99
68) m/p-Xylenes	11.703	106	139277	40.138	ug/l	96
69) o-Xylene	12.032	106	68326	20.081	ug/l	97
70) Styrene	12.044	104	117389	20.156	ug/l	97
71) Bromoform	12.209	173	31904	21.700	ug/l #	98
73) Isopropylbenzene	12.331	105	184642	19.533	ug/l	99
74) N-amyl acetate	12.148	43	76255	21.463	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.581	83	55369	21.046	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	47996m	23.875	ug/l	
77) Bromobenzene	12.611	156	44045	18.982	ug/l	90
78) n-propylbenzene	12.672	91	225777	19.660	ug/l	100
79) 2-Chlorotoluene	12.757	91	125891	19.232	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	154545	19.529	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	19440	21.777	ug/l	96
82) 4-Chlorotoluene	12.855	91	129779	18.991	ug/l	99
83) tert-Butylbenzene	13.075	119	136411	19.681	ug/l	100
84) 1,2,4-Trimethylbenzene	13.123	105	155757	19.671	ug/l	98
85) sec-Butylbenzene	13.257	105	206052	19.865	ug/l	100
86) p-Isopropyltoluene	13.373	119	171190	19.758	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	90551	19.671	ug/l	98
88) 1,4-Dichlorobenzene	13.446	146	91009	19.768	ug/l	98
89) n-Butylbenzene	13.696	91	164673	20.071	ug/l	99
90) Hexachloroethane	13.958	117	32511	19.442	ug/l	89
91) 1,2-Dichlorobenzene	13.739	146	84642	19.919	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	12874	24.639	ug/l	92
93) 1,2,4-Trichlorobenzene	15.007	180	54057	20.207	ug/l	99
94) Hexachlorobutadiene	15.111	225	27057	19.750	ug/l	97
95) Naphthalene	15.239	128	153919	22.065	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	49893	20.206	ug/l	98

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

