

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY083123\
 Data File : VY015393.D
 Acq On : 31 Aug 2023 11:02
 Operator : SY/MD
 Sample : VY0831SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0831SBS01

Quant Time: Sep 01 00:43:21 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082923S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 31 20:01:47 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/01/2023
 Supervised By : Mahesh Dadoda 09/01/2023

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	159204	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	265970	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	243162	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	123543	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	78188	45.814	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	91.620%		
35) Dibromofluoromethane	7.716	113	71637	46.763	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	93.520%		
50) Toluene-d8	10.179	98	255743	46.099	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	92.200%		
62) 4-Bromofluorobenzene	12.483	95	93391	45.346	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	90.700%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	26250	18.968	ug/l	94
3) Chloromethane	2.107	50	37372	20.334	ug/l	99
4) Vinyl Chloride	2.247	62	41788	19.534	ug/l	99
5) Bromomethane	2.656	94	35393	23.252	ug/l	100
6) Chloroethane	2.790	64	28515	20.279	ug/l	96
7) Trichlorofluoromethane	3.119	101	60267	19.917	ug/l	96
8) Diethyl Ether	3.528	74	22121	21.391	ug/l	91
9) 1,1,2-Trichlorotrifluo...	3.893	101	33228	19.812	ug/l	97
10) Methyl Iodide	4.088	142	33384	16.950	ug/l	100
11) Tert butyl alcohol	4.924	59	35404m	79.352	ug/l	
12) 1,1-Dichloroethene	3.863	96	31803	20.095	ug/l	90
13) Acrolein	3.735	56	27899	67.747	ug/l	95
14) Allyl chloride	4.473	41	51957	20.620	ug/l	97
15) Acrylonitrile	5.174	53	58227	89.479	ug/l	98
16) Acetone	3.973	43	58679	82.374	ug/l	92
17) Carbon Disulfide	4.186	76	90542	19.137	ug/l	99
18) Methyl Acetate	4.485	43	44493	17.244	ug/l	94
19) Methyl tert-butyl Ether	5.222	73	102081	19.846	ug/l	98
20) Methylene Chloride	4.710	84	53476	19.132	ug/l	96
21) trans-1,2-Dichloroethene	5.216	96	36529	20.044	ug/l	98
22) Diisopropyl ether	6.119	45	117031	21.236	ug/l	98
23) Vinyl Acetate	6.058	43	344796	99.095	ug/l	95
24) 1,1-Dichloroethane	6.015	63	67334	21.136	ug/l	98
25) 2-Butanone	6.996	43	86527	85.641	ug/l	100
26) 2,2-Dichloropropane	6.984	77	61021	22.552	ug/l	97
27) cis-1,2-Dichloroethene	6.984	96	43423	21.004	ug/l	97
28) Bromochloromethane	7.332	49	21620	22.131	ug/l	96
29) Tetrahydrofuran	7.356	42	51945	81.872	ug/l	94
30) Chloroform	7.509	83	71744	21.423	ug/l	97
31) Cyclohexane	7.783	56	57453	18.952	ug/l	86
32) 1,1,1-Trichloroethane	7.704	97	61262	20.480	ug/l	100
36) 1,1-Dichloropropene	7.917	75	51834	19.270	ug/l	100
37) Ethyl Acetate	7.076	43	37621	18.134	ug/l	97
38) Carbon Tetrachloride	7.899	117	53593	19.291	ug/l	99
39) Methylcyclohexane	9.185	83	62438	18.438	ug/l	93
40) Benzene	8.161	78	153488	20.452	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	18583	19.102	ug/l	89
42) 1,2-Dichloroethane	8.234	62	48933	19.554	ug/l	93
43) Isopropyl Acetate	8.277	43	65124	18.153	ug/l #	92
44) Trichloroethene	8.941	130	43026	20.263	ug/l	96
45) 1,2-Dichloropropane	9.216	63	39022	20.626	ug/l	96
46) Dibromomethane	9.307	93	24332	19.362	ug/l	95
47) Bromodichloromethane	9.496	83	54189	20.164	ug/l	96
48) Methyl methacrylate	9.289	41	29125	17.695	ug/l	92
49) 1,4-Dioxane	9.344	88	7660m	328.156	ug/l	
51) 4-Methyl-2-Pentanone	10.069	43	183722	88.112	ug/l	96
52) Toluene	10.240	92	97466	20.263	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	55455	19.416	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	62575	20.141	ug/l	95
55) 1,1,2-Trichloroethane	10.642	97	34363	20.294	ug/l	96
56) Ethyl methacrylate	10.508	69	46904	18.692	ug/l	91
57) 1,3-Dichloropropane	10.788	76	57403	19.694	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.783	63	86391	96.457	ug/l	96
59) 2-Hexanone	10.831	43	134193	85.771	ug/l	93
60) Dibromochloromethane	10.984	129	38882	19.618	ug/l	98
61) 1,2-Dibromoethane	11.087	107	33063	19.270	ug/l	99
64) Tetrachloroethene	10.715	164	43818	19.853	ug/l	96
65) Chlorobenzene	11.514	112	106198	20.267	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	38364	20.004	ug/l	99
67) Ethyl Benzene	11.593	91	188717	20.057	ug/l	99
68) m/p-Xylenes	11.703	106	147347	40.402	ug/l	94
69) o-Xylene	12.026	106	69738	20.009	ug/l	97
70) Styrene	12.044	104	117232	20.004	ug/l	99
71) Bromoform	12.209	173	25173	18.816	ug/l #	100
73) Isopropylbenzene	12.331	105	184000	19.828	ug/l	100
74) N-amyl acetate	12.142	43	56800	18.219	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.581	83	41962	18.942	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	33507m	20.452	ug/l	
77) Bromobenzene	12.611	156	44866	20.414	ug/l	98
78) n-propylbenzene	12.672	91	225674	20.098	ug/l	100
79) 2-Chlorotoluene	12.758	91	126178	20.034	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	154222	19.869	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	13346	17.970	ug/l	99
82) 4-Chlorotoluene	12.855	91	131554	20.098	ug/l	100
83) tert-Butylbenzene	13.075	119	132239	19.451	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	154546	20.054	ug/l	98
85) sec-Butylbenzene	13.251	105	201964	19.917	ug/l	100
86) p-Isopropyltoluene	13.367	119	167337	19.690	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	88490	20.394	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	89257	20.350	ug/l	98
89) n-Butylbenzene	13.696	91	159446	19.933	ug/l	98
90) Hexachloroethane	13.959	117	30688	20.190	ug/l	90
91) 1,2-Dichlorobenzene	13.739	146	79534	20.086	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	7398	16.882	ug/l	88
93) 1,2,4-Trichlorobenzene	15.007	180	49400	19.865	ug/l	98
94) Hexachlorobutadiene	15.111	225	27306	20.137	ug/l	98
95) Naphthalene	15.233	128	113160	18.370	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	45219	19.936	ug/l	98

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

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