

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030624\
 Data File : VY017587.D
 Acq On : 06 Mar 2024 12:24
 Operator : SY/MD
 Sample : VY0306SBS02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0306SBS02

Quant Time: Mar 07 02:06:28 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022324S.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 24 04:41:20 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John Carlone 03/07/2024
 Supervised By :Mahesh Dadoda 03/07/2024

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	130659	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	202752	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	177367	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	85959	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	65319	52.749	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.500%			
35) Dibromofluoromethane	7.716	113	77638	54.952	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.900%			
50) Toluene-d8	10.179	98	295715	59.864	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 119.720%			
62) 4-Bromofluorobenzene	12.483	95	90460	58.269	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 116.540%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	19158	19.877	ug/l	97
3) Chloromethane	2.101	50	35226	20.003	ug/l	95
4) Vinyl Chloride	2.241	62	44950	19.896	ug/l	97
5) Bromomethane	2.643	94	39328	21.361	ug/l	95
6) Chloroethane	2.784	64	27239	19.112	ug/l	97
7) Trichlorofluoromethane	3.107	101	57034	24.770	ug/l	97
8) Diethyl Ether	3.521	74	15139	22.417	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.887	101	28923	21.838	ug/l	98
10) Methyl Iodide	4.082	142	28139	18.932	ug/l	99
11) Tert butyl alcohol	5.021	59	7134m	67.823	ug/l	
12) 1,1-Dichloroethene	3.857	96	25857	20.949	ug/l	97
13) Acrolein	3.735	56	12763	91.960	ug/l	96
14) Allyl chloride	4.466	41	31019	20.799	ug/l	97
15) Acrylonitrile	5.167	53	25880	93.221	ug/l	99
16) Acetone	3.972	43	23487	97.789	ug/l	98
17) Carbon Disulfide	4.180	76	60173	16.242	ug/l	99
18) Methyl Acetate	4.485	43	10626	18.236	ug/l	98
19) Methyl tert-butyl Ether	5.222	73	61700	21.447	ug/l	100
20) Methylene Chloride	4.710	84	33558	20.555	ug/l	97
21) trans-1,2-Dichloroethene	5.216	96	29488	20.404	ug/l	96
22) Diisopropyl ether	6.112	45	76543	22.241	ug/l	92
23) Vinyl Acetate	6.064	43	207518	101.191	ug/l	98
24) 1,1-Dichloroethane	6.015	63	52064	22.144	ug/l	99
25) 2-Butanone	7.002	43	30711	89.723	ug/l	99
26) 2,2-Dichloropropane	6.978	77	42932	21.718	ug/l	98
27) cis-1,2-Dichloroethene	6.984	96	34692	21.380	ug/l	98
28) Bromochloromethane	7.332	49	17987	19.425	ug/l	96
29) Tetrahydrofuran	7.356	42	18131	87.873	ug/l	99
30) Chloroform	7.502	83	56621	22.619	ug/l	98
31) Cyclohexane	7.783	56	37939	18.826	ug/l	95
32) 1,1,1-Trichloroethane	7.697	97	47361	21.793	ug/l	98
36) 1,1-Dichloropropene	7.917	75	39822	20.890	ug/l	99
37) Ethyl Acetate	7.082	43	16782	22.290	ug/l	96
38) Carbon Tetrachloride	7.899	117	41746	21.851	ug/l	97
39) Methylcyclohexane	9.185	83	43025	18.781	ug/l	94
40) Benzene	8.161	78	121866	21.527	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	6690	17.707	ug/l	93
42) 1,2-Dichloroethane	8.234	62	29323	21.230	ug/l	99
43) Isopropyl Acetate	8.277	43	26994	20.403	ug/l	97
44) Trichloroethene	8.941	130	34768	21.308	ug/l	98
45) 1,2-Dichloropropane	9.215	63	30403	22.574	ug/l	97
46) Dibromomethane	9.307	93	16504	21.412	ug/l	97
47) Bromodichloromethane	9.496	83	41993	22.437	ug/l	95
48) Methyl methacrylate	9.295	41	11479	18.744	ug/l	94
49) 1,4-Dioxane	9.362	88	3330m	381.739	ug/l	
51) 4-Methyl-2-Pentanone	10.075	43	73117	99.160	ug/l	100
52) Toluene	10.246	92	78210	21.915	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	37022	21.312	ug/l	95
54) cis-1,3-Dichloropropene	9.929	75	45829	21.712	ug/l	97
55) 1,1,2-Trichloroethane	10.642	97	24390	22.286	ug/l	96
56) Ethyl methacrylate	10.514	69	24531	19.833	ug/l	100
57) 1,3-Dichloropropane	10.788	76	37273	20.948	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.782	63	65673	103.993	ug/l	98
59) 2-Hexanone	10.837	43	52730	104.111	ug/l	99
60) Dibromochloromethane	10.983	129	28873	22.301	ug/l	100
61) 1,2-Dibromoethane	11.087	107	21605	21.422	ug/l	98
64) Tetrachloroethene	10.721	164	36054	21.178	ug/l	99
65) Chlorobenzene	11.514	112	84770	22.517	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.593	131	31996	22.686	ug/l	100
67) Ethyl Benzene	11.593	91	141198	21.386	ug/l	99
68) m/p-Xylenes	11.703	106	113390	43.706	ug/l	99
69) o-Xylene	12.032	106	53127	22.073	ug/l	96
70) Styrene	12.044	104	89099	22.302	ug/l	98
71) Bromoform	12.209	173	17360	22.212	ug/l #	96
73) Isopropylbenzene	12.331	105	139106	21.782	ug/l	100
74) N-amyl acetate	12.142	43	24059	21.360	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.581	83	24808	22.622	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	17571m	21.514	ug/l	
77) Bromobenzene	12.611	156	33702	21.792	ug/l	96
78) n-propylbenzene	12.672	91	171378	22.365	ug/l	99
79) 2-Chlorotoluene	12.757	91	94144	21.944	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	112975	22.081	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.379	75	7430	20.903	ug/l	97
82) 4-Chlorotoluene	12.855	91	97826	22.293	ug/l	99
83) tert-Butylbenzene	13.074	119	99125	22.063	ug/l	97
84) 1,2,4-Trimethylbenzene	13.117	105	111880	22.150	ug/l	100
85) sec-Butylbenzene	13.251	105	152270	22.168	ug/l	100
86) p-Isopropyltoluene	13.367	119	123133	21.898	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	67963	21.894	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	68307	22.634	ug/l	99
89) n-Butylbenzene	13.696	91	114496	22.318	ug/l	99
90) Hexachloroethane	13.958	117	26190	23.232	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	58682	22.349	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	3379	21.917	ug/l	96
93) 1,2,4-Trichlorobenzene	15.007	180	32626	23.524	ug/l	98
94) Hexachlorobutadiene	15.111	225	20375	23.794	ug/l	97
95) Naphthalene	15.233	128	51228	21.484	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	28313	23.796	ug/l	97

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

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