

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022824\
 Data File : VY017513.D
 Acq On : 28 Feb 2024 11:45
 Operator : SY/MD
 Sample : VY0228SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0228SBS01

Quant Time: Feb 28 23:10:37 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

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	148737	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.685	114	233852	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	205464	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	96577	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	60054	42.603	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	85.200%
35) Dibromofluoromethane	7.716	113	70113	43.026	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	86.060%
50) Toluene-d8	10.179	98	263410	46.232	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	92.460%
62) 4-Bromofluorobenzene	12.483	95	80228	44.806	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	89.620%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.900	85	23709	21.609	ug/l	95
3) Chloromethane	2.107	50	41033	20.469	ug/l	97
4) Vinyl Chloride	2.247	62	53093	20.644	ug/l	97
5) Bromomethane	2.644	94	45037	21.489	ug/l	95
6) Chloroethane	2.784	64	33417	20.597	ug/l	100
7) Trichlorofluoromethane	3.113	101	54779	20.899	ug/l	96
8) Diethyl Ether	3.521	74	16322	21.231	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.893	101	33286	22.078	ug/l	97
10) Methyl Iodide	4.082	142	34950	20.656	ug/l	98
11) Tert butyl alcohol	4.942	59	10416	86.989	ug/l	99
12) 1,1-Dichloroethene	3.863	96	30451	21.672	ug/l	95
13) Acrolein	3.723	56	15330	97.030	ug/l	99
14) Allyl chloride	4.472	41	35694	21.025	ug/l	98
15) Acrylonitrile	5.155	53	32380	102.459	ug/l	99
16) Acetone	3.936	43	29987	109.678	ug/l	94
17) Carbon Disulfide	4.186	76	86084	20.412	ug/l	98
18) Methyl Acetate	4.466	43	12265	18.491	ug/l	98
19) Methyl tert-butyl Ether	5.210	73	68839	21.020	ug/l	98
20) Methylene Chloride	4.704	84	38204	20.557	ug/l	95
21) trans-1,2-Dichloroethene	5.210	96	34974	21.259	ug/l	97
22) Diisopropyl ether	6.112	45	86881	22.177	ug/l	97
23) Vinyl Acetate	6.051	43	247743	106.123	ug/l	100
24) 1,1-Dichloroethane	6.009	63	57924	21.642	ug/l	98
25) 2-Butanone	6.984	43	40892	104.947	ug/l	98
26) 2,2-Dichloropropane	6.978	77	48386	21.502	ug/l	96
27) cis-1,2-Dichloroethene	6.978	96	40010	21.661	ug/l	98
28) Bromochloromethane	7.326	49	22166	21.029	ug/l	95
29) Tetrahydrofuran	7.344	42	23635	100.626	ug/l	99
30) Chloroform	7.502	83	63033	22.120	ug/l	97
31) Cyclohexane	7.783	56	45867	19.994	ug/l	93
32) 1,1,1-Trichloroethane	7.697	97	54112	21.873	ug/l	99
36) 1,1-Dichloropropene	7.911	75	46250	21.036	ug/l	99
37) Ethyl Acetate	7.063	43	17542	20.201	ug/l	99
38) Carbon Tetrachloride	7.893	117	47967	21.768	ug/l	94
39) Methylcyclohexane	9.179	83	52730	19.956	ug/l	97
40) Benzene	8.155	78	140429	21.507	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	10898m	25.009	ug/l	
42) 1,2-Dichloroethane	8.234	62	33190	20.834	ug/l	97
43) Isopropyl Acetate	8.271	43	31213	20.455	ug/l	99
44) Trichloroethene	8.935	130	39462	20.969	ug/l	98
45) 1,2-Dichloropropane	9.216	63	33165	21.350	ug/l	99
46) Dibromomethane	9.301	93	19070	21.450	ug/l	97
47) Bromodichloromethane	9.490	83	47154	21.844	ug/l	99
48) Methyl methacrylate	9.289	41	13881	19.652	ug/l	93
49) 1,4-Dioxane	9.295	88	4253	422.710	ug/l #	94
51) 4-Methyl-2-Pentanone	10.069	43	85600	100.651	ug/l	100
52) Toluene	10.240	92	89651	21.780	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	41801	20.863	ug/l	95
54) cis-1,3-Dichloropropene	9.929	75	51828	21.289	ug/l	95
55) 1,1,2-Trichloroethane	10.642	97	27163	21.519	ug/l	99
56) Ethyl methacrylate	10.508	69	28894	20.200	ug/l	98
57) 1,3-Dichloropropane	10.788	76	43602	21.246	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.782	63	69748	95.757	ug/l	98
59) 2-Hexanone	10.831	43	61946	106.042	ug/l	100
60) Dibromochloromethane	10.983	129	31735	21.252	ug/l	98
61) 1,2-Dibromoethane	11.087	107	24655	21.195	ug/l	99
64) Tetrachloroethene	10.721	164	39510	20.035	ug/l	98
65) Chlorobenzene	11.514	112	94107	21.579	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.587	131	34647	21.206	ug/l	99
67) Ethyl Benzene	11.593	91	162229	21.211	ug/l	98
68) m/p-Xylenes	11.703	106	129908	43.226	ug/l	100
69) o-Xylene	12.026	106	59824	21.456	ug/l	98
70) Styrene	12.044	104	99504	21.500	ug/l	98
71) Bromoform	12.209	173	19389	21.415	ug/l #	99
73) Isopropylbenzene	12.331	105	157494	21.950	ug/l	100
74) N-amyl acetate	12.142	43	26537	20.970	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.581	83	27719	22.497	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	19422m	21.165	ug/l	
77) Bromobenzene	12.611	156	38063	21.906	ug/l	96
78) n-propylbenzene	12.672	91	191109	22.198	ug/l	99
79) 2-Chlorotoluene	12.758	91	106127	22.017	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	126964	22.087	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	8798	22.031	ug/l	97
82) 4-Chlorotoluene	12.855	91	108952	22.099	ug/l	98
83) tert-Butylbenzene	13.075	119	111525	22.094	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	125392	22.095	ug/l	100
85) sec-Butylbenzene	13.251	105	170854	22.139	ug/l	99
86) p-Isopropyltoluene	13.367	119	139544	22.088	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	75792	21.731	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	73840	21.777	ug/l	99
89) n-Butylbenzene	13.696	91	127591	22.136	ug/l	99
90) Hexachloroethane	13.965	117	28147	22.223	ug/l	97
91) 1,2-Dichlorobenzene	13.739	146	65247	22.117	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	3677	21.228	ug/l	97
93) 1,2,4-Trichlorobenzene	15.007	180	34262	21.988	ug/l	99
94) Hexachlorobutadiene	15.111	225	21885	22.748	ug/l	98
95) Naphthalene	15.239	128	52735	20.013	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	29581	22.129	ug/l	97

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

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