

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071422\
 Data File : VY009565.D
 Acq On : 14 Jul 2022 15:43
 Operator : KP/MD
 Sample : VY0714SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0714SBS01

Quant Time: Jul 15 01:21:22 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y070722S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 08 11:00:56 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	141872	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	224777	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	210187	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	113710	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	48527	48.343	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	96.680%
35) Dibromofluoromethane	7.710	113	53089	44.888	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	89.780%
50) Toluene-d8	10.173	98	146923	44.399	ug/l	0.00
Spiked Amount	50.000	Range	78 - 125	Recovery	=	88.800%
62) 4-Bromofluorobenzene	12.477	95	78703	47.142	ug/l	0.00
Spiked Amount	50.000	Range	50 - 146	Recovery	=	94.280%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.900	85	121948	112.088	ug/l	98
3) Chloromethane	2.107	50	18458	15.192	ug/l	94
4) Vinyl Chloride	2.241	62	22980	16.613	ug/l	94
5) Bromomethane	2.619	94	19839	19.963	ug/l	92
6) Chloroethane	2.778	64	16134	19.978	ug/l	98
7) Trichlorofluoromethane	3.107	101	38347	20.764	ug/l	100
8) Diethyl Ether	3.521	74	12487	17.673	ug/l	85
9) 1,1,2-Trichlorotrifluo...	3.887	101	23002	18.382	ug/l	94
10) Methyl Iodide	4.076	142	21992	16.153	ug/l	92
11) Tert butyl alcohol	4.936	59	15810	69.407	ug/l	96
12) 1,1-Dichloroethene	3.857	96	19661	16.940	ug/l	93
13) Acrolein	3.710	56	3476	57.463	ug/l	100
14) Allyl chloride	4.460	41	33995	17.024	ug/l #	96
15) Acrylonitrile	5.149	53	36809	94.677	ug/l	99
16) Acetone	3.936	43	31351	90.840	ug/l	96
17) Carbon Disulfide	4.174	76	42482	14.462	ug/l	99
18) Methyl Acetate	4.466	43	20865	20.591	ug/l	91
19) Methyl tert-butyl Ether	5.204	73	66500	18.931	ug/l	98
20) Methylene Chloride	4.704	84	31847	16.304	ug/l	88
21) trans-1,2-Dichloroethene	5.204	96	23343	17.165	ug/l	86
22) Diisopropyl ether	6.106	45	84555	19.917	ug/l	96
23) Vinyl Acetate	6.051	43	255727	85.887	ug/l	96
24) 1,1-Dichloroethane	6.003	63	43679	18.245	ug/l	97
25) 2-Butanone	6.972	43	52917	94.782	ug/l #	90
26) 2,2-Dichloropropane	6.966	77	44891	19.025	ug/l	99
27) cis-1,2-Dichloroethene	6.972	96	28673	17.910	ug/l	92
28) Bromochloromethane	7.313	49	17345	17.238	ug/l #	82
29) Tetrahydrofuran	7.332	42	34322	95.046	ug/l	94
30) Chloroform	7.496	83	48921	18.671	ug/l	98
31) Cyclohexane	7.777	56	35382	15.201	ug/l	95
32) 1,1,1-Trichloroethane	7.691	97	44001	19.048	ug/l	98
36) 1,1-Dichloropropene	7.911	75	33169	17.226	ug/l	96
37) Ethyl Acetate	7.063	43	22960	19.023	ug/l	97
38) Carbon Tetrachloride	7.893	117	40006	19.427	ug/l	96
39) Methylcyclohexane	9.173	83	37244	16.114	ug/l	90
40) Benzene	8.149	78	99451	17.589	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.301	41	12727	20.307	ug/l #	1
42) 1,2-Dichloroethane	8.228	62	33178	19.545	ug/l	94
43) Isopropyl Acetate	8.264	43	43285	19.221	ug/l	94
44) Trichloroethene	8.935	130	28999	18.155	ug/l	99
45) 1,2-Dichloropropane	9.203	63	27120	18.953	ug/l	99
46) Dibromomethane	9.301	93	16193	19.281	ug/l	99
47) Bromodichloromethane	9.490	83	38010	19.015	ug/l	99
48) Methyl methacrylate	9.289	41	18918	19.498	ug/l	90
49) 1,4-Dioxane	9.289	88	4806	388.587	ug/l	91
51) 4-Methyl-2-Pentanone	10.063	43	119191	100.641	ug/l	96
52) Toluene	10.240	92	68265	18.947	ug/l	94
53) t-1,3-Dichloropropene	10.459	75	39775	18.882	ug/l	100
54) cis-1,3-Dichloropropene	9.923	75	43461	18.503	ug/l #	89
55) 1,1,2-Trichloroethane	10.642	97	23175	19.128	ug/l	95
56) Ethyl methacrylate	10.502	69	30156	18.747	ug/l	91
57) 1,3-Dichloropropane	10.782	76	38746	19.399	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.776	63	71676	91.217	ug/l	95
59) 2-Hexanone	10.825	43	82640	100.701	ug/l	97
60) Dibromochloromethane	10.977	129	28843	19.659	ug/l	99
61) 1,2-Dibromoethane	11.081	107	21704	18.686	ug/l	98
64) Tetrachloroethene	10.715	164	27312	15.542	ug/l	99
65) Chlorobenzene	11.514	112	78002	18.896	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	29963	19.296	ug/l	98
67) Ethyl Benzene	11.587	91	131450	18.240	ug/l	96
68) m/p-Xylenes	11.697	106	106530	37.902	ug/l	89
69) o-Xylene	12.026	106	49303	18.301	ug/l	93
70) Styrene	12.038	104	86063	19.126	ug/l	95
71) Bromoform	12.203	173	19297	19.498	ug/l #	96
73) Isopropylbenzene	12.325	105	134626	17.312	ug/l	98
74) N-amyl acetate	12.142	43	40790	18.435	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.581	83	28848	18.527	ug/l	100
76) 1,2,3-Trichloropropane	12.630	75	20346m	16.903	ug/l	
77) Bromobenzene	12.605	156	33827	17.868	ug/l	93
78) n-propylbenzene	12.666	91	165894	17.657	ug/l	97
79) 2-Chlorotoluene	12.751	91	92192	17.527	ug/l	95
80) 1,3,5-Trimethylbenzene	12.812	105	114980	17.689	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.373	75	10031	17.055	ug/l	93
82) 4-Chlorotoluene	12.849	91	98883	17.938	ug/l	97
83) tert-Butylbenzene	13.068	119	104055	17.993	ug/l	94
84) 1,2,4-Trimethylbenzene	13.117	105	115706	17.884	ug/l	96
85) sec-Butylbenzene	13.251	105	155478	18.255	ug/l	98
86) p-Isopropyltoluene	13.367	119	129856	18.291	ug/l	98
87) 1,3-Dichlorobenzene	13.361	146	68934	18.446	ug/l	99
88) 1,4-Dichlorobenzene	13.440	146	70261	18.576	ug/l	98
89) n-Butylbenzene	13.696	91	120158	18.125	ug/l	99
90) Hexachloroethane	13.959	117	25840	18.551	ug/l	88
91) 1,2-Dichlorobenzene	13.733	146	63166	18.449	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.355	75	5012	18.365	ug/l	82
93) 1,2,4-Trichlorobenzene	15.007	180	38082	18.236	ug/l	99
94) Hexachlorobutadiene	15.111	225	21533	18.756	ug/l	97
95) Naphthalene	15.233	128	75626	17.516	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	33225	18.370	ug/l	98

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

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