

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101421\
 Data File : VY006394.D
 Acq On : 14 Oct 2021 13:40
 Operator : SY/MD
 Sample : M4068-02 5PPBLOQ
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT4-2021

Quant Time: Oct 15 00:38:52 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y092821S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 15 00:34:39 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	130190	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	200327	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	186088	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	97926	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	70834	50.835	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	101.660%
35) Dibromofluoromethane	7.722	113	52764	49.300	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.600%
50) Toluene-d8	10.185	98	213613	47.689	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	95.380%
62) 4-Bromofluorobenzene	12.483	95	73579	48.354	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	96.700%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.912	85	7773	5.886	ug/l	96
3) Chloromethane	2.119	50	10491	6.821	ug/l	96
4) Vinyl Chloride	2.259	62	12213	7.164	ug/l	93
5) Bromomethane	2.656	94	8486	7.660	ug/l	97
6) Chloroethane	2.802	64	7200	7.178	ug/l	96
7) Trichlorofluoromethane	3.131	101	15631	6.961	ug/l	90
8) Diethyl Ether	3.534	74	5279	7.118	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.905	101	8152	6.801	ug/l	97
10) Methyl Iodide	4.101	142	7177	5.494	ug/l	94
11) Tert butyl alcohol	4.966	59	5158m	42.317	ug/l	
12) 1,1-Dichloroethene	3.887	96	8165	6.696	ug/l	86
13) Acrolein	3.747	56	2322	29.915	ug/l	91
14) Allyl chloride	4.485	41	16097	6.865	ug/l	93
15) Acrylonitrile	5.167	53	13160	33.737	ug/l	99
16) Acetone	3.960	43	13840	35.562	ug/l	99
17) Carbon Disulfide	4.210	76	27239	6.679	ug/l	96
18) Methyl Acetate	4.491	43	10390	7.917	ug/l	97
19) Methyl tert-butyl Ether	5.235	73	23166	6.506	ug/l	99
20) Methylene Chloride	4.729	84	23629	15.600	ug/l	96
21) trans-1,2-Dichloroethene	5.235	96	9254	6.845	ug/l	94
22) Diisopropyl ether	6.131	45	30526	6.580	ug/l #	94
23) Vinyl Acetate	6.070	43	85303	30.677	ug/l	97
24) 1,1-Dichloroethane	6.021	63	17686	7.101	ug/l	97
25) 2-Butanone	6.996	43	15771	29.091	ug/l	91
26) 2,2-Dichloropropane	6.990	77	13943	6.122	ug/l	98
27) cis-1,2-Dichloroethene	6.996	96	8875	5.862	ug/l	96
28) Bromochloromethane	7.344	49	6089	5.872	ug/l	100
29) Tetrahydrofuran	7.362	42	9547	27.880	ug/l	94
30) Chloroform	7.508	83	14908	6.001	ug/l	99
31) Cyclohexane	7.795	56	15717	5.954	ug/l #	82
32) 1,1,1-Trichloroethane	7.710	97	14123	6.157	ug/l	98
36) 1,1-Dichloropropene	7.923	75	11637	5.839	ug/l	99
37) Ethyl Acetate	7.082	43	6939	5.976	ug/l	99
38) Carbon Tetrachloride	7.905	117	12640	6.006	ug/l	95
39) Methylcyclohexane	9.191	83	13683	5.465	ug/l	93
40) Benzene	8.167	78	33405	5.907	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.338	41	5320m	7.063	ug/l	
42) 1,2-Dichloroethane	8.240	62	11669	6.405	ug/l	99
43) Isopropyl Acetate	8.277	43	12709	5.707	ug/l	95
44) Trichloroethene	8.947	130	8969	6.141	ug/l	95
45) 1,2-Dichloropropane	9.216	63	8029	5.768	ug/l	94
46) Dibromomethane	9.307	93	4593	6.196	ug/l	99
47) Bromodichloromethane	9.502	83	11685	6.122	ug/l	95
48) Methyl methacrylate	9.301	41	6189	5.793	ug/l	94
49) 1,4-Dioxane	9.307	88	1179	121.908	ug/l	94
51) 4-Methyl-2-Pentanone	10.075	43	32844	28.404	ug/l	97
52) Toluene	10.246	92	20300	5.788	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	12059	5.795	ug/l	94
54) cis-1,3-Dichloropropene	9.935	75	13295	5.811	ug/l	90
55) 1,1,2-Trichloroethane	10.654	97	6349	6.087	ug/l	91
56) Ethyl methacrylate	10.514	69	8784	5.541	ug/l	90
57) 1,3-Dichloropropane	10.794	76	11172	5.919	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.789	63	20558	26.466	ug/l	96
59) 2-Hexanone	10.837	43	22385	27.180	ug/l	97
60) Dibromochloromethane	10.990	129	7739	6.107	ug/l	98
61) 1,2-Dibromoethane	11.087	107	5696	5.768	ug/l	98
64) Tetrachloroethene	10.721	164	9870	6.586	ug/l	94
65) Chlorobenzene	11.520	112	21691	5.883	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	7814	5.751	ug/l	96
67) Ethyl Benzene	11.593	91	38153	5.490	ug/l	97
68) m/p-Xylenes	11.703	106	29274	11.100	ug/l	97
69) o-Xylene	12.032	106	13772	5.529	ug/l	96
70) Styrene	12.044	104	22734	5.374	ug/l	100
71) Bromoform	12.209	173	4817	5.701	ug/l #	98
73) Isopropylbenzene	12.331	105	36932	5.265	ug/l	99
74) N-amyl acetate	12.142	43	10785	4.954	ug/l #	95
75) 1,1,2,2-Tetrachloroethane	12.587	83	6657	5.255	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	5828m	6.123	ug/l	
77) Bromobenzene	12.611	156	8870	5.393	ug/l	97
78) n-propylbenzene	12.672	91	46165	5.347	ug/l	98
79) 2-Chlorotoluene	12.758	91	25752	5.390	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	30465	5.194	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.380	75	2656	5.484	ug/l	94
82) 4-Chlorotoluene	12.855	91	26726	5.408	ug/l	98
83) tert-Butylbenzene	13.075	119	26231	5.231	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	29789	5.143	ug/l	99
85) sec-Butylbenzene	13.251	105	39908	5.266	ug/l	98
86) p-Isopropyltoluene	13.367	119	33714	5.272	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	18146	5.569	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	18324	5.703	ug/l	94
89) n-Butylbenzene	13.696	91	31377	5.164	ug/l	99
90) Hexachloroethane	13.959	117	6357	5.474	ug/l	96
91) 1,2-Dichlorobenzene	13.739	146	16359	5.741	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	1307	5.415	ug/l	87
93) 1,2,4-Trichlorobenzene	15.007	180	10481	5.567	ug/l	98
94) Hexachlorobutadiene	15.111	225	7319	5.959	ug/l	99
95) Naphthalene	15.233	128	18465	4.936	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	8766	5.253	ug/l	97

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

