

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101321\
 Data File : VY006382.D
 Acq On : 13 Oct 2021 13:00
 Operator : SY/MD
 Sample : VY1013SBS01
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1013SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/18/2021 5:21:33 PM

Quant Time: Oct 14 07:05:26 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y092821S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 28 17:44:36 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	142703	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	216431	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	201216	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	104772	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	71361	46.722	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	93.440%
35) Dibromofluoromethane	7.722	113	52963	45.804	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	91.600%
50) Toluene-d8	10.179	98	220933	45.653	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	91.300%
62) 4-Bromofluorobenzene	12.483	95	76675	46.640	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	93.280%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	31165	21.530	ug/l	96
3) Chloromethane	2.119	50	33494	19.866	ug/l	95
4) Vinyl Chloride	2.260	62	39546	21.164	ug/l	100
5) Bromomethane	2.650	94	28051	23.099	ug/l	99
6) Chloroethane	2.796	64	23208	21.109	ug/l	99
7) Trichlorofluoromethane	3.131	101	51865	21.073	ug/l	95
8) Diethyl Ether	3.534	74	16617	20.441	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.906	101	26484	20.157	ug/l	97
10) Methyl Iodide	4.095	142	22291	15.568	ug/l	96
11) Tert butyl alcohol	4.954	59	14067	105.289	ug/l #	95
12) 1,1-Dichloroethene	3.881	96	26229	19.625	ug/l	96
13) Acrolein	3.741	56	4505	62.539	ug/l	99
14) Allyl chloride	4.485	41	50828	19.775	ug/l	97
15) Acrylonitrile	5.168	53	44712	104.573	ug/l	100
16) Acetone	3.954	43	42426	99.454	ug/l	98
17) Carbon Disulfide	4.198	76	85057	19.028	ug/l	98
18) Methyl Acetate	4.479	43	30714	21.352	ug/l	97
19) Methyl tert-butyl Ether	5.222	73	80447	20.611	ug/l	99
20) Methylene Chloride	4.729	84	30839	18.622	ug/l	88
21) trans-1,2-Dichloroethene	5.229	96	29824	20.127	ug/l	95
22) Diisopropyl ether	6.125	45	102473	20.152	ug/l	97
23) Vinyl Acetate	6.070	43	304584	99.932	ug/l	96
24) 1,1-Dichloroethane	6.021	63	55171	20.210	ug/l	99
25) 2-Butanone	6.990	43	59588	100.278	ug/l #	89
26) 2,2-Dichloropropane	6.990	77	51662	20.695	ug/l	99
27) cis-1,2-Dichloroethene	6.990	96	33490	20.180	ug/l	95
28) Bromochloromethane	7.344	49	23580	20.745	ug/l	96
29) Tetrahydrofuran	7.350	42	38504	102.584	ug/l	95
30) Chloroform	7.515	83	55915	20.533	ug/l	100
31) Cyclohexane	7.789	56	55493	19.178	ug/l	97
32) 1,1,1-Trichloroethane	7.704	97	53536	21.292	ug/l	98
36) 1,1-Dichloropropene	7.923	75	43095	20.013	ug/l	99
37) Ethyl Acetate	7.082	43	26686	21.273	ug/l	100
38) Carbon Tetrachloride	7.905	117	48548	21.351	ug/l	95
39) Methylcyclohexane	9.185	83	52291	19.332	ug/l	96
40) Benzene	8.167	78	125424	20.530	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	14081m	17.304	ug/l	
42) 1,2-Dichloroethane	8.240	62	42921	21.805	ug/l	98
43) Isopropyl Acetate	8.277	43	49149	20.428	ug/l	96
44) Trichloroethene	8.941	130	33289	21.098	ug/l	98
45) 1,2-Dichloropropane	9.222	63	29452	19.582	ug/l	96
46) Dibromomethane	9.307	93	16973	21.194	ug/l	96
47) Bromodichloromethane	9.502	83	43451	21.072	ug/l	98
48) Methyl methacrylate	9.295	41	23584	20.432	ug/l	98
49) 1,4-Dioxane	9.301	88	4346	415.937	ug/l	98
51) 4-Methyl-2-Pentanone	10.075	43	131721	105.437	ug/l	98
52) Toluene	10.246	92	78217	20.641	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	45995	20.458	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	51215	20.721	ug/l	97
55) 1,1,2-Trichloroethane	10.648	97	23294	20.671	ug/l	94
56) Ethyl methacrylate	10.514	69	34863	20.354	ug/l	94
57) 1,3-Dichloropropane	10.795	76	42311	20.750	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.783	63	88561	105.527	ug/l	99
59) 2-Hexanone	10.831	43	93328	104.889	ug/l	98
60) Dibromochloromethane	10.984	129	29789	21.758	ug/l	98
61) 1,2-Dibromoethane	11.093	107	22517	21.104	ug/l	97
64) Tetrachloroethene	10.721	164	37409	23.085	ug/l	95
65) Chlorobenzene	11.520	112	82444	20.679	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	31176	21.219	ug/l	99
67) Ethyl Benzene	11.593	91	153003	20.360	ug/l	99
68) m/p-Xylenes	11.703	106	117686	41.268	ug/l	96
69) o-Xylene	12.032	106	56055	20.812	ug/l	94
70) Styrene	12.044	104	95035	20.778	ug/l	99
71) Bromoform	12.209	173	19821	21.693	ug/l #	100
73) Isopropylbenzene	12.331	105	148632	19.805	ug/l	100
74) N-amyl acetate	12.142	43	45396	19.488	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.581	83	24999	18.444	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	18225m	17.897	ug/l	
77) Bromobenzene	12.611	156	35694	20.285	ug/l	95
78) n-propylbenzene	12.672	91	182923	19.801	ug/l	98
79) 2-Chlorotoluene	12.758	91	100714	19.701	ug/l	97
80) 1,3,5-Trimethylbenzene	12.813	105	125691	20.029	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	10247	19.774	ug/l	99
82) 4-Chlorotoluene	12.855	91	104638	19.791	ug/l	100
83) tert-Butylbenzene	13.075	119	108100	20.149	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	126357	20.391	ug/l	99
85) sec-Butylbenzene	13.251	105	163892	20.214	ug/l	100
86) p-Isopropyltoluene	13.367	119	138713	20.274	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	71485	20.505	ug/l	98
88) 1,4-Dichlorobenzene	13.447	146	72621	21.126	ug/l	98
89) n-Butylbenzene	13.697	91	128885	19.825	ug/l	99
90) Hexachloroethane	13.959	117	25301	20.363	ug/l	96
91) 1,2-Dichlorobenzene	13.739	146	63248	20.747	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	5208	20.169	ug/l	94
93) 1,2,4-Trichlorobenzene	15.007	180	40748	20.228	ug/l	99
94) Hexachlorobutadiene	15.111	225	27282	20.760	ug/l	99
95) Naphthalene	15.239	128	78983	19.734	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	36114	20.227	ug/l	100

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

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