

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081321\
 Data File : VY005631.D
 Acq On : 13 Aug 2021 14:10
 Operator : SY/MD
 Sample : VY0813SBS01
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0813SBS01

Manual Integrations
 APPROVED

MMDadoda
 8/16/2021 5:05:33 PM

Quant Time: Aug 14 03:33:41 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y080221S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 03 04:52:05 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	259598	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	384728	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	354149	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	183079	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	132314	50.352	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.700%	
35) Dibromofluoromethane	7.722	113	107679	49.990	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 99.980%	
50) Toluene-d8	10.185	98	436550	48.324	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 96.640%	
62) 4-Bromofluorobenzene	12.483	95	150006	50.144	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 100.280%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	50150	23.521	ug/l	98
3) Chloromethane	2.119	50	55775	21.899	ug/l	98
4) Vinyl Chloride	2.253	62	69042	22.632	ug/l	98
5) Bromomethane	2.650	94	47475	23.643	ug/l	95
6) Chloroethane	2.796	64	44685	24.266	ug/l	100
7) Trichlorofluoromethane	3.131	101	94803	23.210	ug/l	100
8) Diethyl Ether	3.534	74	35148	24.638	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.906	101	54340	24.527	ug/l	97
10) Methyl Iodide	4.101	142	59049	21.393	ug/l	98
11) Tert butyl alcohol	4.966	59	32092	123.538	ug/l	99
12) 1,1-Dichloroethene	3.881	96	53742	24.022	ug/l	97
13) Acrolein	3.735	56	16646	106.206	ug/l	100
14) Allyl chloride	4.485	41	86535	22.084	ug/l	100
15) Acrylonitrile	5.180	53	84392	115.431	ug/l	100
16) Acetone	3.954	43	75330	113.701	ug/l	95
17) Carbon Disulfide	4.204	76	147497	21.387	ug/l	100
18) Methyl Acetate	4.491	43	40606	23.434	ug/l	100
19) Methyl tert-butyl Ether	5.235	73	154461	22.287	ug/l	99
20) Methylene Chloride	4.723	84	66600	21.960	ug/l	96
21) trans-1,2-Dichloroethene	5.229	96	53286	21.304	ug/l	95
22) Diisopropyl ether	6.131	45	186905	23.121	ug/l	100
23) Vinyl Acetate	6.070	43	608411	113.093	ug/l	99
24) 1,1-Dichloroethane	6.027	63	99993	22.320	ug/l	99
25) 2-Butanone	6.997	43	111289	113.636	ug/l	98
26) 2,2-Dichloropropane	6.990	77	86873	21.224	ug/l	99
27) cis-1,2-Dichloroethene	6.990	96	61981	21.788	ug/l	97
28) Bromochloromethane	7.344	49	44381	24.821	ug/l	96
29) Tetrahydrofuran	7.356	42	74446	114.929	ug/l	99
30) Chloroform	7.515	83	100826	22.050	ug/l	98
31) Cyclohexane	7.789	56	96463	21.401	ug/l	98
32) 1,1,1-Trichloroethane	7.710	97	90967	21.642	ug/l	99
36) 1,1-Dichloropropene	7.923	75	77670	21.524	ug/l	98
37) Ethyl Acetate	7.082	43	49967	22.857	ug/l	98
38) Carbon Tetrachloride	7.905	117	81065	20.670	ug/l	98
39) Methylcyclohexane	9.185	83	96751	21.075	ug/l	100
40) Benzene	8.167	78	221308	21.417	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.332	41	27971m	23.582	ug/l	
42) 1,2-Dichloroethane	8.246	62	73193	21.837	ug/l	99
43) Isopropyl Acetate	8.277	43	93724	22.645	ug/l	99
44) Trichloroethene	8.947	130	59375	21.053	ug/l	97
45) 1,2-Dichloropropane	9.222	63	57554	22.263	ug/l	98
46) Dibromomethane	9.307	93	31109	21.763	ug/l	96
47) Bromodichloromethane	9.502	83	77053	21.539	ug/l	98
48) Methyl methacrylate	9.295	41	41448	22.159	ug/l	98
49) 1,4-Dioxane	9.301	88	9032	454.650	ug/l	95
51) 4-Methyl-2-Pentanone	10.075	43	250259	114.819	ug/l	99
52) Toluene	10.246	92	140367	21.304	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	85621	21.416	ug/l	98
54) cis-1,3-Dichloropropene	9.935	75	94726	21.832	ug/l	99
55) 1,1,2-Trichloroethane	10.648	97	45228	21.868	ug/l	96
56) Ethyl methacrylate	10.514	69	69714	22.511	ug/l	98
57) 1,3-Dichloropropane	10.795	76	81160	22.253	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.789	63	158792	107.309	ug/l	98
59) 2-Hexanone	10.837	43	176078	114.297	ug/l	99
60) Dibromochloromethane	10.990	129	55167	21.553	ug/l	100
61) 1,2-Dibromoethane	11.093	107	42286	21.584	ug/l	99
64) Tetrachloroethene	10.721	164	57566	21.355	ug/l	98
65) Chlorobenzene	11.520	112	149819	21.022	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	56594	21.099	ug/l	99
67) Ethyl Benzene	11.593	91	268663	20.790	ug/l	97
68) m/p-Xylenes	11.703	106	207750	41.390	ug/l	97
69) o-Xylene	12.032	106	101499	21.039	ug/l	99
70) Styrene	12.044	104	169681	20.896	ug/l	100
71) Bromoform	12.209	173	37812	21.738	ug/l #	99
73) Isopropylbenzene	12.331	105	263247	20.599	ug/l	100
74) N-amyl acetate	12.142	43	85887	22.326	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.581	83	54286	22.086	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	37424m	19.726	ug/l	
77) Bromobenzene	12.611	156	64633	20.586	ug/l	95
78) n-propylbenzene	12.672	91	316763	20.870	ug/l	99
79) 2-Chlorotoluene	12.758	91	177539	20.831	ug/l	99
80) 1,3,5-Trimethylbenzene	12.813	105	221843	20.917	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	20656	21.948	ug/l	95
82) 4-Chlorotoluene	12.855	91	184255	20.894	ug/l	99
83) tert-Butylbenzene	13.075	119	194084	20.394	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	222012	21.215	ug/l	100
85) sec-Butylbenzene	13.251	105	287381	20.936	ug/l	99
86) p-Isopropyltoluene	13.367	119	245650	20.845	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	127174	20.759	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	126293	20.780	ug/l	97
89) n-Butylbenzene	13.697	91	223607	20.944	ug/l	99
90) Hexachloroethane	13.959	117	45184	21.325	ug/l	100
91) 1,2-Dichlorobenzene	13.739	146	115798	21.399	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	10039	21.545	ug/l	98
93) 1,2,4-Trichlorobenzene	15.007	180	79020	21.258	ug/l	99
94) Hexachlorobutadiene	15.111	225	50771	21.094	ug/l	100
95) Naphthalene	15.239	128	159250	21.733	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	71205	21.622	ug/l	99

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

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