

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072321\
 Data File : VY005420.D
 Acq On : 23 Jul 2021 17:02
 Operator : SY/MD
 Sample : VY0723SBS01
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0723SBS01

Manual Integrations
 APPROVED

MMDadoda
 7/26/2021 5:20:31 PM

Quant Time: Jul 24 03:00:42 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y072221S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 23 06:20:14 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	267539	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	398516	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	368687	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	197020	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	150414	52.63	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.26%			
35) Dibromofluoromethane	7.722	113	118174	51.36	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.72%			
50) Toluene-d8	10.185	98	501744	51.45	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 102.90%			
62) 4-Bromofluorobenzene	12.483	95	165789	51.51	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 103.02%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	49044	20.25	ug/l	97
3) Chloromethane	2.113	50	56969	19.19	ug/l	98
4) Vinyl Chloride	2.253	62	65385	18.49	ug/l	96
5) Bromomethane	2.644	94	49898	19.31	ug/l	97
6) Chloroethane	2.796	64	41348	18.62	ug/l	97
7) Trichlorofluoromethane	3.131	101	86885	18.79	ug/l	99
8) Diethyl Ether	3.540	74	30807	18.93	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.906	101	46378	18.46	ug/l	98
10) Methyl Iodide	4.095	142	49342	17.30	ug/l	97
11) Tert butyl alcohol	4.985	59	26731	99.00	ug/l	98
12) 1,1-Dichloroethene	3.881	96	46784	18.29	ug/l	97
13) Acrolein	3.735	56	25289	102.28	ug/l	97
14) Allyl chloride	4.485	41	82952	18.12	ug/l	99
15) Acrylonitrile	5.174	53	73986	91.54	ug/l	98
16) Acetone	3.960	43	61326	93.95	ug/l	98
17) Carbon Disulfide	4.198	76	153150	18.11	ug/l	100
18) Methyl Acetate	4.491	43	34791	18.96	ug/l	99
19) Methyl tert-butyl Ether	5.228	73	142318	18.44	ug/l	96
20) Methylene Chloride	4.729	84	99655	26.60	ug/l	99
21) trans-1,2-Dichloroethene	5.228	96	51429	17.90	ug/l	93
22) Diisopropyl ether	6.131	45	171073	19.26	ug/l	99
23) Vinyl Acetate	6.070	43	570933	97.70	ug/l	100
24) 1,1-Dichloroethane	6.027	63	93331	19.06	ug/l	99
25) 2-Butanone	7.003	43	96555	98.78	ug/l	97
26) 2,2-Dichloropropane	6.990	77	85799	19.27	ug/l	99
27) cis-1,2-Dichloroethene	6.996	96	58843	19.14	ug/l	99
28) Bromochloromethane	7.344	49	43783	22.21	ug/l	99
29) Tetrahydrofuran	7.356	42	66647	102.96	ug/l	98
30) Chloroform	7.515	83	94814	19.57	ug/l	99
31) Cyclohexane	7.789	56	94685	19.40	ug/l	95
32) 1,1,1-Trichloroethane	7.710	97	87861	19.59	ug/l	99
36) 1,1-Dichloropropene	7.923	75	74461	19.32	ug/l	100
37) Ethyl Acetate	7.088	43	45263	19.30	ug/l	98
38) Carbon Tetrachloride	7.905	117	80869	19.21	ug/l	97
39) Methylcyclohexane	9.185	83	94050	19.03	ug/l	99
40) Benzene	8.167	78	213926	19.32	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	23549m	19.16	ug/l	
42) 1,2-Dichloroethane	8.246	62	70555	19.70	ug/l	99
43) Isopropyl Acetate	8.283	43	84261	19.84	ug/l	100
44) Trichloroethene	8.941	130	57865	19.27	ug/l	97
45) 1,2-Dichloropropane	9.222	63	54140	19.86	ug/l	98
46) Dibromomethane	9.307	93	29571	19.70	ug/l	99
47) Bromodichloromethane	9.502	83	73591	19.51	ug/l	100
48) Methyl methacrylate	9.295	41	38709	19.60	ug/l	99
49) 1,4-Dioxane	9.307	88	8786	415.05	ug/l #	95
51) 4-Methyl-2-Pentanone	10.075	43	226969	100.65	ug/l	99
52) Toluene	10.246	92	134402	19.11	ug/l	99
53) t-1,3-Dichloropropene	10.471	75	80107	18.98	ug/l	99
54) cis-1,3-Dichloropropene	9.935	75	89232	19.24	ug/l	98
55) 1,1,2-Trichloroethane	10.648	97	41276	19.16	ug/l	97
56) Ethyl methacrylate	10.514	69	63298	19.46	ug/l	99
57) 1,3-Dichloropropane	10.795	76	75181	19.63	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.789	63	152003	97.73	ug/l	100
59) 2-Hexanone	10.837	43	157088	99.39	ug/l	100
60) Dibromochloromethane	10.990	129	52260	19.87	ug/l	98
61) 1,2-Dibromoethane	11.093	107	39501	19.38	ug/l	98
64) Tetrachloroethene	10.721	164	54882	19.70	ug/l	97
65) Chlorobenzene	11.520	112	145572	19.28	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	53548	18.99	ug/l	99
67) Ethyl Benzene	11.599	91	261689	19.04	ug/l	99
68) m/p-Xylenes	11.709	106	203592	38.14	ug/l	100
69) o-Xylene	12.032	106	96720	19.05	ug/l	100
70) Styrene	12.044	104	165741	19.22	ug/l	100
71) Bromoform	12.209	173	35006	19.42	ug/l #	99
73) Isopropylbenzene	12.331	105	256246	18.86	ug/l	99
74) N-amyl acetate	12.148	43	78181	18.90	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.587	83	49953	19.26	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	38665m	19.94	ug/l	
77) Bromobenzene	12.611	156	62565	18.80	ug/l	98
78) n-propylbenzene	12.672	91	312055	19.04	ug/l	100
79) 2-Chlorotoluene	12.758	91	173005	18.79	ug/l	100
80) 1,3,5-Trimethylbenzene	12.819	105	217050	19.13	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	18635	18.66	ug/l	99
82) 4-Chlorotoluene	12.861	91	180874	18.98	ug/l	99
83) tert-Butylbenzene	13.081	119	191798	18.97	ug/l	100
84) 1,2,4-Trimethylbenzene	13.123	105	215938	18.97	ug/l	100
85) sec-Butylbenzene	13.258	105	276390	18.96	ug/l	100
86) p-Isopropyltoluene	13.373	119	239623	19.09	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	127213	19.50	ug/l	99
88) 1,4-Dichlorobenzene	13.453	146	125495	19.41	ug/l	99
89) n-Butylbenzene	13.703	91	218814	18.99	ug/l	100
90) Hexachloroethane	13.965	117	43296	19.19	ug/l	98
91) 1,2-Dichlorobenzene	13.745	146	111166	19.08	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	9618	19.12	ug/l	98
93) 1,2,4-Trichlorobenzene	15.013	180	79461	19.76	ug/l	99
94) Hexachlorobutadiene	15.117	225	49191	19.31	ug/l	100
95) Naphthalene	15.239	128	156030	19.29	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	70218	19.38	ug/l	99

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

