

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051421\
 Data File : VY004776.D
 Acq On : 14 May 2021 12:38
 Operator : SY/MD
 Sample : VY0514SBS01
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0514SBS01

Manual Integrations
 APPROVED

MMDadoda
 5/17/2021 2:35:36 PM

Quant Time: May 15 03:56:08 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051021S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 11 04:13:44 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	206856	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	325273	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	293835	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	139312	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	116165	47.18	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.36%		
35) Dibromofluoromethane	7.728	113	96904	54.42	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	108.84%		
50) Toluene-d8	10.185	98	389553	48.43	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	96.86%		
62) 4-Bromofluorobenzene	12.483	95	130264	47.98	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	95.96%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.912	85	37489	19.79	ug/l	99
3) Chloromethane	2.119	50	55805	18.18	ug/l	100
4) Vinyl Chloride	2.259	62	57514	18.31	ug/l	98
5) Bromomethane	2.656	94	33144	20.69	ug/l	99
6) Chloroethane	2.802	64	36340	19.60	ug/l	94
7) Trichlorofluoromethane	3.131	101	77362	20.75	ug/l	96
8) Diethyl Ether	3.540	74	25529	19.38	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.918	101	42694	20.18	ug/l	99
10) Methyl Iodide	4.100	142	45995	20.33	ug/l	99
11) Tert butyl alcohol	4.984	59	23020	93.03	ug/l #	90
12) 1,1-Dichloroethene	3.881	96	41121	20.11	ug/l	96
13) Acrolein	3.741	56	24433	83.99	ug/l	98
14) Allyl chloride	4.491	41	77659	19.44	ug/l	98
15) Acrylonitrile	5.180	53	61023	92.40	ug/l	99
16) Acetone	3.966	43	47633	86.13	ug/l	99
17) Carbon Disulfide	4.204	76	127806	20.47	ug/l	99
18) Methyl Acetate	4.491	43	32980	18.70	ug/l	99
19) Methyl tert-butyl Ether	5.234	73	112656	20.03	ug/l	99
20) Methylene Chloride	4.728	84	71972	23.56	ug/l	99
21) trans-1,2-Dichloroethene	5.228	96	46080	19.84	ug/l	97
22) Diisopropyl ether	6.131	45	149977	19.51	ug/l	99
23) Vinyl Acetate	6.070	43	552457	95.71	ug/l	99
24) 1,1-Dichloroethane	6.027	63	86765	20.06	ug/l	98
25) 2-Butanone	7.002	43	87533	89.09	ug/l	98
26) 2,2-Dichloropropane	6.990	77	79289	20.99	ug/l	99
27) cis-1,2-Dichloroethene	6.996	96	51123	19.82	ug/l	99
28) Bromochloromethane	7.344	49	41882	19.82	ug/l	99
29) Tetrahydrofuran	7.362	42	56702	90.47	ug/l	98
30) Chloroform	7.514	83	86759	20.36	ug/l	97
31) Cyclohexane	7.789	56	76697	19.24	ug/l #	92
32) 1,1,1-Trichloroethane	7.710	97	76866	20.13	ug/l	98
36) 1,1-Dichloropropene	7.923	75	68513	20.55	ug/l	99
37) Ethyl Acetate	7.088	43	45975	20.13	ug/l	99
38) Carbon Tetrachloride	7.905	117	62177	20.75	ug/l	97
39) Methylcyclohexane	9.191	83	71356	19.63	ug/l	98
40) Benzene	8.167	78	185992	19.74	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	22303	17.87	ug/l #	100
42) 1,2-Dichloroethane	8.240	62	58533	19.67	ug/l	99
43) Isopropyl Acetate	8.283	43	82919	19.55	ug/l	99
44) Trichloroethene	8.947	130	50952	20.11	ug/l	96
45) 1,2-Dichloropropane	9.221	63	48421	19.64	ug/l	98
46) Dibromomethane	9.313	93	26684	19.46	ug/l	98
47) Bromodichloromethane	9.502	83	64795	19.92	ug/l	97
48) Methyl methacrylate	9.301	41	35534	18.41	ug/l	97
49) 1,4-Dioxane	9.307	88	5913	366.26	ug/l	88
51) 4-Methyl-2-Pentanone	10.075	43	214485	94.00	ug/l	100
52) Toluene	10.246	92	117000	19.66	ug/l	100
53) t-1,3-Dichloropropene	10.471	75	70850	19.66	ug/l	97
54) cis-1,3-Dichloropropene	9.935	75	78988	19.70	ug/l	99
55) 1,1,2-Trichloroethane	10.648	97	36749	19.48	ug/l	98
56) Ethyl methacrylate	10.514	69	51457	18.86	ug/l	99
57) 1,3-Dichloropropane	10.794	76	64242	19.15	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.788	63	141713	100.61	ug/l	98
59) 2-Hexanone	10.837	43	142441	92.13	ug/l	99
60) Dibromochloromethane	10.989	129	43200	19.25	ug/l	100
61) 1,2-Dibromoethane	11.093	107	33789	18.57	ug/l	94
64) Tetrachloroethene	10.721	164	51113	19.25	ug/l	97
65) Chlorobenzene	11.520	112	121739	20.13	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	43896	19.97	ug/l	99
67) Ethyl Benzene	11.599	91	222451	19.80	ug/l	99
68) m/p-Xylenes	11.709	106	168268	39.86	ug/l	100
69) o-Xylene	12.032	106	78583	19.92	ug/l	99
70) Styrene	12.050	104	130434	19.72	ug/l	100
71) Bromoform	12.215	173	25388	19.06	ug/l #	98
73) Isopropylbenzene	12.337	105	211801	20.15	ug/l	99
74) N-amyl acetate	12.148	43	71528	19.25	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.587	83	41737	19.90	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	26079m	17.62	ug/l	
77) Bromobenzene	12.611	156	47642	20.08	ug/l	98
78) n-propylbenzene	12.678	91	259102	20.20	ug/l	100
79) 2-Chlorotoluene	12.757	91	142513	20.25	ug/l	100
80) 1,3,5-Trimethylbenzene	12.818	105	177883	20.38	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.386	75	15946	18.69	ug/l #	73
82) 4-Chlorotoluene	12.861	91	148788	20.36	ug/l	99
83) tert-Butylbenzene	13.081	119	151471	20.33	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	176503	20.20	ug/l	100
85) sec-Butylbenzene	13.257	105	219461	20.26	ug/l	100
86) p-Isopropyltoluene	13.373	119	187790	20.00	ug/l	99
87) 1,3-Dichlorobenzene	13.373	146	90881	19.53	ug/l	99
88) 1,4-Dichlorobenzene	13.452	146	91214	19.89	ug/l	98
89) n-Butylbenzene	13.702	91	182775	19.91	ug/l	100
90) Hexachloroethane	13.965	117	26796	20.26	ug/l	100
91) 1,2-Dichlorobenzene	13.745	146	80210	19.53	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.367	75	7259	18.52	ug/l	98
93) 1,2,4-Trichlorobenzene	15.013	180	50295	19.02	ug/l	99
94) Hexachlorobutadiene	15.117	225	26710	18.64	ug/l	98
95) Naphthalene	15.239	128	110481	19.30	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	44656	19.08	ug/l	100

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

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