

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051821\
 Data File : VY004819.D
 Acq On : 18 May 2021 11:58
 Operator : SY/MD
 Sample : VY0518SBS01
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0518SBS01

Manual Integrations
 APPROVED

MMDadoda
 5/19/2021 3:59:05 PM

Quant Time: May 19 01:01:34 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	196513	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	316024	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	289675	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	138419	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	111887	47.83	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 95.66%			
35) Dibromofluoromethane	7.722	113	93028	53.77	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.54%			
50) Toluene-d8	10.185	98	394705	50.50	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 101.00%			
62) 4-Bromofluorobenzene	12.483	95	131147	49.72	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 99.44%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.912	85	37013	20.57	ug/l	99
3) Chloromethane	2.119	50	56159	19.26	ug/l	98
4) Vinyl Chloride	2.259	62	57287	19.20	ug/l	98
5) Bromomethane	2.650	94	31837	20.92	ug/l	96
6) Chloroethane	2.796	64	35345	20.07	ug/l	95
7) Trichlorofluoromethane	3.131	101	76613	21.63	ug/l	96
8) Diethyl Ether	3.534	74	25732	20.56	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.905	101	43031	21.41	ug/l	99
10) Methyl Iodide	4.101	142	46403	21.60	ug/l	100
11) Tert butyl alcohol	4.966	59	19385	82.46	ug/l	99
12) 1,1-Dichloroethene	3.881	96	41901	21.57	ug/l	96
13) Acrolein	3.735	56	21903	79.26	ug/l	96
14) Allyl chloride	4.485	41	79964	21.07	ug/l	99
15) Acrylonitrile	5.174	53	59912	95.49	ug/l	100
16) Acetone	3.960	43	46594	88.68	ug/l	96
17) Carbon Disulfide	4.198	76	128601	21.68	ug/l	97
18) Methyl Acetate	4.491	43	32724	19.53	ug/l	99
19) Methyl tert-butyl Ether	5.228	73	106882	20.01	ug/l	99
20) Methylene Chloride	4.729	84	51656	15.29	ug/l	96
21) trans-1,2-Dichloroethene	5.228	96	46314	20.99	ug/l	98
22) Diisopropyl ether	6.125	45	154871	21.21	ug/l	98
23) Vinyl Acetate	6.070	43	542894	99.01	ug/l	98
24) 1,1-Dichloroethane	6.027	63	88307	21.49	ug/l	99
25) 2-Butanone	6.990	43	84353	90.37	ug/l	95
26) 2,2-Dichloropropane	6.984	77	79767	22.23	ug/l	100
27) cis-1,2-Dichloroethene	6.996	96	52070	21.25	ug/l	99
28) Bromochloromethane	7.344	49	42350	21.10	ug/l	98
29) Tetrahydrofuran	7.356	42	54409	91.38	ug/l	99
30) Chloroform	7.515	83	83689	20.67	ug/l	98
31) Cyclohexane	7.789	56	77126	20.37	ug/l	97
32) 1,1,1-Trichloroethane	7.710	97	74389	20.50	ug/l	99
36) 1,1-Dichloropropene	7.923	75	67901	20.97	ug/l	99
37) Ethyl Acetate	7.082	43	41902	18.88	ug/l	99
38) Carbon Tetrachloride	7.905	117	59854	20.56	ug/l	96
39) Methylcyclohexane	9.185	83	72444	20.51	ug/l	97
40) Benzene	8.167	78	192784	21.06	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	22531m	18.58	ug/l	
42) 1,2-Dichloroethane	8.246	62	58459	20.22	ug/l	99
43) Isopropyl Acetate	8.277	43	77822	18.89	ug/l	100
44) Trichloroethene	8.941	130	50740	20.62	ug/l	98
45) 1,2-Dichloropropane	9.222	63	49495	20.66	ug/l	100
46) Dibromomethane	9.313	93	26354	19.78	ug/l	98
47) Bromodichloromethane	9.502	83	64597	20.44	ug/l	98
48) Methyl methacrylate	9.295	41	34585	18.45	ug/l	99
49) 1,4-Dioxane	9.307	88	5616	358.04	ug/l	98
51) 4-Methyl-2-Pentanone	10.075	43	201164	90.75	ug/l	100
52) Toluene	10.246	92	119500	20.67	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	68868	19.67	ug/l	100
54) cis-1,3-Dichloropropene	9.935	75	79477	20.41	ug/l	98
55) 1,1,2-Trichloroethane	10.648	97	36231	19.76	ug/l	96
56) Ethyl methacrylate	10.514	69	50120	18.91	ug/l	98
57) 1,3-Dichloropropane	10.794	76	65563	20.11	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.789	63	138512	101.22	ug/l	100
59) 2-Hexanone	10.837	43	137270	91.38	ug/l	100
60) Dibromochloromethane	10.990	129	43027	19.74	ug/l	97
61) 1,2-Dibromoethane	11.093	107	34641	19.60	ug/l	98
64) Tetrachloroethene	10.721	164	52031	19.88	ug/l	97
65) Chlorobenzene	11.520	112	123740	20.76	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	44820	20.68	ug/l	99
67) Ethyl Benzene	11.593	91	230904	20.85	ug/l	99
68) m/p-Xylenes	11.703	106	171917	41.31	ug/l	100
69) o-Xylene	12.032	106	80721	20.75	ug/l	99
70) Styrene	12.044	104	133611	20.49	ug/l	99
71) Bromoform	12.209	173	25457	19.39	ug/l #	99
73) Isopropylbenzene	12.331	105	221462	21.21	ug/l	100
74) N-amyl acetate	12.148	43	70847	19.19	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.587	83	41457	19.89	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	29891m	20.33	ug/l	
77) Bromobenzene	12.611	156	48338	20.50	ug/l	100
78) n-propylbenzene	12.672	91	269704	21.16	ug/l	100
79) 2-Chlorotoluene	12.758	91	148050	21.17	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	186075	21.46	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	15838	18.68	ug/l	94
82) 4-Chlorotoluene	12.855	91	153536	21.14	ug/l	99
83) tert-Butylbenzene	13.075	119	158907	21.46	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	183821	21.18	ug/l	99
85) sec-Butylbenzene	13.257	105	232163	21.57	ug/l	100
86) p-Isopropyltoluene	13.373	119	200695	21.51	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	96157	20.79	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	95343	20.92	ug/l	99
89) n-Butylbenzene	13.696	91	194433	21.31	ug/l	99
90) Hexachloroethane	13.959	117	28869	21.97	ug/l	97
91) 1,2-Dichlorobenzene	13.739	146	84544	20.72	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	6787	17.43	ug/l	97
93) 1,2,4-Trichlorobenzene	15.007	180	53251	20.26	ug/l	99
94) Hexachlorobutadiene	15.117	225	29276	20.57	ug/l	98
95) Naphthalene	15.239	128	108913	19.15	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	47376	20.37	ug/l	98

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

