

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052421\
 Data File : VX022162.D
 Acq On : 24 May 2021 20:55
 Operator : JC/MD
 Sample : M2472-13MSD
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-RW8-GW-938-940MSD

Manual Integrations
 APPROVED

MMDadoda
 5/25/2021 5:59:43 PM

Quant Time: May 25 02:11:14 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051921W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 19 14:23:10 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	77953	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	154276	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	142206	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.030	152	68580	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	59945	49.85	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 99.70%			
35) Dibromofluoromethane	5.397	113	46386	47.41	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 94.82%			
50) Toluene-d8	8.653	98	182729	48.49	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 96.98%			
62) 4-Bromofluorobenzene	11.085	95	71615	51.41	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 102.82%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	43626	46.03	ug/l	97
3) Chloromethane	1.294	50	48930	47.87	ug/l	98
4) Vinyl Chloride	1.374	62	53919	49.85	ug/l	99
5) Bromomethane	1.599	94	14429	22.88	ug/l	96
6) Chloroethane	1.666	64	14159	21.98	ug/l	96
7) Trichlorofluoromethane	1.837	101	66854	42.99	ug/l	96
8) Diethyl Ether	2.148	74	35184	52.60	ug/l	91
9) 1,1,2-Trichlorotrifluo...	2.294	101	43628	47.24	ug/l	89
10) Methyl Iodide	2.428	142	39576	39.88	ug/l	98
12) 1,1-Dichloroethene	2.288	96	43290	48.45	ug/l	86
13) Acrolein	2.252	56	44934	246.33	ug/l	97
14) Allyl chloride	2.648	41	80074	48.80	ug/l	98
15) Acrylonitrile	3.093	53	153959	284.34	ug/l	99
16) Acetone	2.422	43	136997	261.65	ug/l	97
17) Carbon Disulfide	2.477	76	107778	46.06	ug/l	100
18) Methyl Acetate	2.727	43	81334	58.41	ug/l	93
19) Methyl tert-butyl Ether	3.142	73	165965	54.23	ug/l	100
20) Methylene Chloride	2.782	84	56750	48.82	ug/l	93
21) trans-1,2-Dichloroethene	3.081	96	51257	52.75	ug/l	99
22) Diisopropyl ether	3.788	45	172845	54.69	ug/l	90
23) Vinyl Acetate	3.739	43	830065	272.77	ug/l	97
24) 1,1-Dichloroethane	3.605	63	101007	54.46	ug/l	98
25) 2-Butanone	4.605	43	235129	277.58	ug/l	96
26) 2,2-Dichloropropane	4.471	77	65422	39.74	ug/l	100
27) cis-1,2-Dichloroethene	4.489	96	61826	52.31	ug/l	100
28) Bromochloromethane	4.903	49	41176	45.76	ug/l	83
29) Tetrahydrofuran	5.044	42	140762	279.20	ug/l	90
30) Chloroform	5.105	83	100212	52.29	ug/l	99
31) Cyclohexane	5.458	56	72350	47.88	ug/l	99
32) 1,1,1-Trichloroethane	5.385	97	83421	50.94	ug/l	98
36) 1,1-Dichloropropene	5.690	75	71515	50.13	ug/l	98
37) Ethyl Acetate	4.745	43	93588	53.52	ug/l	95
38) Carbon Tetrachloride	5.672	117	69939	50.12	ug/l	99
39) Methylcyclohexane	7.379	83	74333	45.94	ug/l	99
40) Benzene	6.037	78	225003	51.26	ug/l	100
41) Methacrylonitrile	4.952	41	49619	53.04	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 1,2-Dichloroethane	6.092	62	79755	51.86	ug/l	98
43) Isopropyl Acetate	6.367	43	152943	53.47	ug/l	95
44) Trichloroethene	7.129	130	54656	50.11	ug/l	98
45) 1,2-Dichloropropane	7.440	63	59294	52.96	ug/l	97
46) Dibromomethane	7.586	93	39410	51.88	ug/l #	87
47) Bromodichloromethane	7.830	83	77564	51.03	ug/l	98
48) Methyl methacrylate	7.708	41	69450	52.68	ug/l	92
49) 1,4-Dioxane	7.690	88	25599	997.39	ug/l #	95
51) 4-Methyl-2-Pentanone	8.592	43	482781	281.76	ug/l	92
52) Toluene	8.720	92	141665	50.96	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	87259	49.73	ug/l	99
54) cis-1,3-Dichloropropene	8.372	75	94380	50.03	ug/l	97
55) 1,1,2-Trichloroethane	9.159	97	59147	52.41	ug/l	97
56) Ethyl methacrylate	9.128	69	99660	54.64	ug/l #	89
57) 1,3-Dichloropropane	9.317	76	101936	52.91	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.250	63	254435	257.95	ug/l	98
59) 2-Hexanone	9.445	43	375932	291.72	ug/l	91
60) Dibromochloromethane	9.531	129	56356	51.33	ug/l	98
61) 1,2-Dibromoethane	9.616	107	60341	53.71	ug/l	100
64) Tetrachloroethene	9.275	164	43446	46.53	ug/l	91
65) Chlorobenzene	10.085	112	148617	50.20	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.171	131	53194	51.71	ug/l	96
67) Ethyl Benzene	10.195	91	274697	50.44	ug/l	97
68) m/p-Xylenes	10.305	106	207843	100.99	ug/l	100
69) o-Xylene	10.646	106	101875	50.89	ug/l	100
70) Styrene	10.659	104	173701	52.97	ug/l	98
71) Bromoform	10.805	173	37764	47.96	ug/l #	98
73) Isopropylbenzene	10.969	105	265607	45.76	ug/l	99
74) N-amyl acetate	10.848	43	149427	54.24	ug/l	91
75) 1,1,2,2-Tetrachloroethane	11.219	83	103901	54.01	ug/l	99
76) 1,2,3-Trichloropropane	11.244	75	82938m	49.02	ug/l	
77) Bromobenzene	11.201	156	58684	47.68	ug/l	89
78) n-propylbenzene	11.311	91	314284	46.23	ug/l	99
79) 2-Chlorotoluene	11.372	91	189773	46.02	ug/l	98
80) 1,3,5-Trimethylbenzene	11.457	105	229694	47.75	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.024	75	32828	45.97	ug/l	97
82) 4-Chlorotoluene	11.457	91	224398	47.23	ug/l	98
83) tert-Butylbenzene	11.719	119	218388	47.33	ug/l	93
84) 1,2,4-Trimethylbenzene	11.756	105	237245	48.99	ug/l	99
85) sec-Butylbenzene	11.896	105	277623	47.35	ug/l	99
86) p-Isopropyltoluene	12.012	119	240267	48.52	ug/l	98
87) 1,3-Dichlorobenzene	11.975	146	116082	48.92	ug/l	97
88) 1,4-Dichlorobenzene	12.049	146	117491	47.90	ug/l	96
89) n-Butylbenzene	12.335	91	228522	49.89	ug/l	98
90) Hexachloroethane	12.542	117	39126	47.81	ug/l	76
91) 1,2-Dichlorobenzene	12.341	146	116589	51.15	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	12.945	75	22762	55.29	ug/l	84
93) 1,2,4-Trichlorobenzene	13.591	180	72159	52.47	ug/l	97
94) Hexachlorobutadiene	13.731	225	26210	48.83	ug/l	99
95) Naphthalene	13.780	128	299239	55.79	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	72325	52.17	ug/l	96

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

