

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102220\
 Data File : VN064270.D
 Acq On : 22 Oct 2020 23:13
 Operator : JC/MD
 Sample : VN1022MBS01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1022MBS01

Manual Integrations
 APPROVED

MMDadoda
 10/23/2020 3:36:33 PM

Quant Time: Oct 23 03:31:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102120W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 21 12:48:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	259259	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	437319	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	387565	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	184022	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	197611	51.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.66%	
35) Dibromofluoromethane	7.55	113	140597	48.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.72%	
50) Toluene-d8	10.06	98	518545	49.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.34%	
62) 4-Bromofluorobenzene	12.37	95	202454	47.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	60740	19.661	ug/l	99
3) Chloromethane	2.04	50	60628	20.233	ug/l	97
4) Vinyl Chloride	2.16	62	60801	20.466	ug/l	96
5) Bromomethane	2.54	94	36833	19.021	ug/l	99
6) Chloroethane	2.68	64	35028	19.369	ug/l	96
7) Trichlorofluoromethane	2.99	101	104873	21.467	ug/l	99
8) Diethyl Ether	3.37	74	33685	20.844	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.72	101	49513	19.599	ug/l	97
10) Methyl Iodide	3.92	142	65113	18.125	ug/l	97
11) Tert butyl alcohol	4.73	59	49237	95.534	ug/l #	77
12) 1,1-Dichloroethene	3.70	96	47073	19.373	ug/l	97
13) Acrolein	3.57	56	26357	81.468	ug/l	95
14) Allyl chloride	4.28	41	88175	18.131	ug/l	96
15) Acrylonitrile	4.93	53	107789	101.141	ug/l	99
16) Acetone	3.78	43	112749	102.347	ug/l	95
17) Carbon Disulfide	4.01	76	132471	19.113	ug/l	98
18) Methyl Acetate	4.28	43	56181	20.013	ug/l	100
19) Methyl tert-butyl Ether	4.99	73	167422	20.042	ug/l	97
20) Methylene Chloride	4.51	84	58285	19.841	ug/l	96
21) trans-1,2-Dichloroethene	4.99	96	52326	19.529	ug/l	97
22) Diisopropyl ether	5.90	45	168755	18.666	ug/l	94
23) Vinyl Acetate	5.84	43	786504	97.552	ug/l	100
24) 1,1-Dichloroethane	5.80	63	104206	19.897	ug/l	98
25) 2-Butanone	6.78	43	175815	100.452	ug/l	95
26) 2,2-Dichloropropane	6.78	77	88359	16.947	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	61180	19.607	ug/l	96
28) Bromochloromethane	7.16	49	46044	18.506	ug/l #	14
29) Tetrahydrofuran	7.17	42	105895	101.146	ug/l	100
30) Chloroform	7.33	83	112391	20.119	ug/l	100
31) Cyclohexane	7.61	56	82459	18.067	ug/l	98
32) 1,1,1-Trichloroethane	7.53	97	105223	20.106	ug/l	98
36) 1,1-Dichloropropene	7.75	75	82330	18.884	ug/l	98
37) Ethyl Acetate	6.88	43	77050	19.465	ug/l #	91
38) Carbon Tetrachloride	7.73	117	93103	18.769	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	72434	18.271	ug/l	96
40) Benzene	8.00	78	220892	18.354	ug/l	98
41) Methacrylonitrile	7.13	41	30949m	14.905	ug/l	
42) 1,2-Dichloroethane	8.09	62	98922	19.187	ug/l	98
43) Isopropyl Acetate	8.13	43	140418	19.034	ug/l #	91
44) Trichloroethene	8.80	130	62377	19.020	ug/l	94
45) 1,2-Dichloropropane	9.08	63	60070	18.696	ug/l	97
46) Dibromomethane	9.17	93	42674	19.780	ug/l	97
47) Bromodichloromethane	9.37	83	90909	19.073	ug/l	99
48) Methyl methacrylate	9.17	41	69658	18.075	ug/l	98
49) 1,4-Dioxane	9.16	88	17228	382.074	ug/l	97
51) 4-Methyl-2-Pentanone	9.95	43	379446	96.238	ug/l	100
52) Toluene	10.13	92	136470	17.722	ug/l	93
53) t-1,3-Dichloropropene	10.35	75	99013	18.700	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	102161	18.325	ug/l	97
55) 1,1,2-Trichloroethane	10.53	97	55283	19.008	ug/l	96
56) Ethyl methacrylate	10.40	69	85370	18.983	ug/l	98
57) 1,3-Dichloropropane	10.68	76	97241	19.248	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	214702	92.714	ug/l	100
59) 2-Hexanone	10.72	43	271014	94.120	ug/l	100
60) Dibromochloromethane	10.87	129	67408	17.903	ug/l	99
61) 1,2-Dibromoethane	10.98	107	58263	18.984	ug/l	99
64) Tetrachloroethene	10.60	164	62091	19.900	ug/l	99
65) Chlorobenzene	11.41	112	151233	18.851	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	60050	18.858	ug/l	98
67) Ethyl Benzene	11.48	91	282463	19.159	ug/l	99
68) m/p-Xylenes	11.59	106	207507	37.988	ug/l	98
69) o-Xylene	11.92	106	101937	19.295	ug/l	99
70) Styrene	11.94	104	167028	18.862	ug/l	99
71) Bromoform	12.10	173	45601	18.538	ug/l #	98
73) Isopropylbenzene	12.22	105	266090	18.959	ug/l	99
74) N-amyl acetate	12.05	43	116613	19.228	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.48	83	71873	19.297	ug/l	98
76) 1,2,3-Trichloropropane	12.53	75	74047m	19.087	ug/l	
77) Bromobenzene	12.50	156	65165	19.667	ug/l	96
78) n-propylbenzene	12.57	91	298359	18.854	ug/l	99
79) 2-Chlorotoluene	12.65	91	190191	19.567	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	225583	19.012	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	25792	16.785	ug/l	89
82) 4-Chlorotoluene	12.75	91	195569	19.289	ug/l	100
83) tert-Butylbenzene	12.97	119	184610	18.977	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	228886	19.381	ug/l	99
85) sec-Butylbenzene	13.14	105	240402	19.602	ug/l	99
86) p-Isopropyltoluene	13.26	119	211583	18.945	ug/l	98
87) 1,3-Dichlorobenzene	13.25	146	112455	19.074	ug/l	100
88) 1,4-Dichlorobenzene	13.34	146	110539	18.318	ug/l	95
89) n-Butylbenzene	13.59	91	184090	18.388	ug/l	99
90) Hexachloroethane	13.85	117	36170	17.882	ug/l	95
91) 1,2-Dichlorobenzene	13.62	146	108924	18.832	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.24	75	18141	19.523	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	60458	18.637	ug/l	99
94) Hexachlorobutadiene	14.98	225	32507	18.579	ug/l	98
95) Naphthalene	15.10	128	186494	19.197	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	59338	18.468	ug/l	99

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

