Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN123021\
Data File : VN070423.D
Acq On : 31 Dec 2021 3:04
Operator : JC/MD
Sample : M5179-03MEMS
Misc : 5.74g/5mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
POST-EXCAVATION-BOTTOM-EASTMEMS

Manual Integrations APPROVED

Reviewed By :Amit Patel 01/03/2022
Supervised By :mohammad ahmed 01/03/2022

Quant Time: Dec 31 06:35:24 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122721W.M
Quant Title : SW846 8260
QLast Update : Mon Dec 27 18:47:12 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.083	168	916632	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.965	114	1517031	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	1335267	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	635783	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	632034	47.956	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 95.920%			
35) Dibromofluoromethane	8.019	113	461463	50.275	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 100.540%			
50) Toluene-d8	10.443	98	1738820	46.373	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 92.740%			
62) 4-Bromofluorobenzene	12.734	95	634275	46.835	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 93.660%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.067	85	427637	41.138	ug/l	100
3) Chloromethane	2.298	50	656796	46.448	ug/l	98
4) Vinyl Chloride	2.448	62	627121	48.711	ug/l	100
5) Bromomethane	2.810	94	200906	30.234	ug/l	100
6) Chloroethane	2.923	64	181306	23.385	ug/l	97
7) Trichlorofluoromethane	3.277	101	671217	43.316	ug/l	97
8) Diethyl Ether	3.803	74	350905	51.369	ug/l	72
9) 1,1,2-Trichlorotrifluo...	4.146	101	424469	44.785	ug/l	96
10) Methyl Iodide	4.374	142	594331	46.336	ug/l	98
11) Tert butyl alcohol	5.473	59	542722m	247.317	ug/l	
12) 1,1-Dichloroethene	4.124	96	455383	48.780	ug/l	90
13) Acrolein	4.028	56	402416	226.008	ug/l	99
14) Allyl chloride	4.803	41	1077690	50.917	ug/l	85
15) Acrylonitrile	5.559	53	1903584	277.983	ug/l	98
16) Acetone	4.304	43	1701281	198.852	ug/l	100
17) Carbon Disulfide	4.473	76	1240691	48.688	ug/l	99
18) Methyl Acetate	4.854	43	1445952	58.426	ug/l	91
19) Methyl tert-butyl Ether	5.621	73	1764236	50.888	ug/l	95
20) Methylene Chloride	5.068	84	569040	48.073	ug/l #	86
21) trans-1,2-Dichloroethene	5.570	96	500379	50.623	ug/l	85
22) Diisopropyl ether	6.498	45	2179308	52.863	ug/l	92
23) Vinyl Acetate	6.428	43	8456484m	264.383	ug/l	
24) 1,1-Dichloroethane	6.372	63	1076377	50.354	ug/l	98
25) 2-Butanone	7.348	43	2680211	248.803	ug/l	90
26) 2,2-Dichloropropane	7.316	77	608626	36.092	ug/l	96
27) cis-1,2-Dichloroethene	7.319	96	965454	81.858	ug/l	92
28) Bromochloromethane	7.654	49	511551	48.934	ug/l #	75
29) Tetrahydrofuran	7.691	42	1869000	290.795	ug/l #	86
30) Chloroform	7.815	83	1020802	49.501	ug/l	100
31) Cyclohexane	8.086	56	973517	46.809	ug/l	86
32) 1,1,1-Trichloroethane	8.008	97	842364	48.446	ug/l	95
36) 1,1-Dichloropropene	8.214	75	755258	49.740	ug/l	96
37) Ethyl Acetate	7.418	43	1115124m	56.658	ug/l	
38) Carbon Tetrachloride	8.198	117	704121	48.563	ug/l	99
39) Methylcyclohexane	9.456	83	833389	45.335	ug/l	89
40) Benzene	8.453	78	2357088	50.634	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.640	41	464843	47.219	ug/l		96
42) 1,2-Dichloroethane	8.528	62	848942	48.518	ug/l		99
43) Isopropyl Acetate	8.566	43	1556240	50.151	ug/l	#	87
44) Trichloroethene	9.212	130	657647	59.456	ug/l		92
45) 1,2-Dichloropropane	9.488	63	644180	51.396	ug/l		100
46) Dibromomethane	9.577	93	384984	49.397	ug/l		94
47) Bromodichloromethane	9.762	83	778446	50.302	ug/l		99
48) Methyl methacrylate	9.566	41	731867	49.446	ug/l	#	81
49) 1,4-Dioxane	9.582	88	233658	1078.424	ug/l	#	83
51) 4-Methyl-2-Pentanone	10.339	43	5101685	261.644	ug/l		96
52) Toluene	10.505	92	1336552	47.434	ug/l		97
53) t-1,3-Dichloropropene	10.722	75	771107	46.027	ug/l		100
54) cis-1,3-Dichloropropene	10.191	75	880342	48.576	ug/l		95
55) 1,1,2-Trichloroethane	10.902	97	522191	46.839	ug/l		97
56) Ethyl methacrylate	10.765	69	891010	48.369	ug/l	#	88
57) 1,3-Dichloropropane	11.047	76	942825	47.814	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.044	63	1396870	293.399	ug/l		89
59) 2-Hexanone	11.092	43	3680244	258.821	ug/l		94
60) Dibromochloromethane	11.242	129	534704	49.157	ug/l		100
61) 1,2-Dibromoethane	11.347	107	530865	46.896	ug/l		99
64) Tetrachloroethene	10.977	164	633821	65.550	ug/l		96
65) Chlorobenzene	11.773	112	1301690	45.945	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.843	131	489541	48.401	ug/l		99
67) Ethyl Benzene	11.846	91	2468466	47.553	ug/l		96
68) m/p-Xylenes	11.953	106	1823165	96.487	ug/l		94
69) o-Xylene	12.280	106	901326	47.957	ug/l		93
70) Styrene	12.296	104	1517799	51.025	ug/l		96
71) Bromoform	12.460	173	408901	54.474	ug/l	#	99
73) Isopropylbenzene	12.581	105	2347998	39.768	ug/l		98
74) N-amyl acetate	12.390	43	1180205	47.541	ug/l		95
75) 1,1,2,2-Tetrachloroethane	12.830	83	843379	42.969	ug/l		98
76) 1,2,3-Trichloropropane	12.884	75	787810m	42.300	ug/l		
77) Bromobenzene	12.862	156	551147	40.660	ug/l		75
78) n-propylbenzene	12.921	91	2780749	42.508	ug/l		96
79) 2-Chlorotoluene	13.010	91	1695038	40.383	ug/l		92
80) 1,3,5-Trimethylbenzene	13.061	105	2015602	42.601	ug/l		97
81) trans-1,4-Dichloro-2-b...	12.629	75	238816	45.893	ug/l		96
82) 4-Chlorotoluene	13.106	91	1657296	42.152	ug/l		93
83) tert-Butylbenzene	13.324	119	1722884	41.355	ug/l		93
84) 1,2,4-Trimethylbenzene	13.369	105	2018259	44.300	ug/l		98
85) sec-Butylbenzene	13.501	105	2468236	43.638	ug/l		97
86) p-Isopropyltoluene	13.616	119	1988297	44.750	ug/l		97
87) 1,3-Dichlorobenzene	13.616	146	1006809	44.369	ug/l		97
88) 1,4-Dichlorobenzene	13.696	146	983038	43.918	ug/l		98
89) n-Butylbenzene	13.943	91	1688656	45.565	ug/l		97
90) Hexachloroethane	14.211	117	358870	46.493	ug/l		91
91) 1,2-Dichlorobenzene	13.989	146	1014632	45.611	ug/l		97
92) 1,2-Dibromo-3-Chloropr...	14.606	75	177876	52.007	ug/l		81
93) 1,2,4-Trichlorobenzene	15.265	180	521507	49.755	ug/l		99
94) Hexachlorobutadiene	15.370	225	305397	50.133	ug/l		98
95) Naphthalene	15.507	128	1480662	51.074	ug/l		100
96) 1,2,3-Trichlorobenzene	15.702	180	523458	52.174	ug/l		99

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

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

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