

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090619\
 Data File : VN057704.D
 Acq On : 5 Sep 2019 18:32
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 9/9/2019 1:10:27 PM

Quant Time: Sep 06 03:40:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N090619W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 06 02:20:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	202372	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	333955	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	308987	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	166073	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	89855	19.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.46%	
35) Dibromofluoromethane	7.58	113	55309	18.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.60%	
50) Toluene-d8	10.08	98	206058	18.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.62%	
62) 4-Bromofluorobenzene	12.40	95	82384	19.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	70971	22.285	ug/l	90
3) Chloromethane	2.04	50	92305	28.053	ug/l	99
4) Vinyl Chloride	2.17	62	58668	21.733	ug/l	98
5) Bromomethane	2.54	94	25409	16.752	ug/l	95
6) Chloroethane	2.68	64	35103	19.365	ug/l	94
7) Trichlorofluoromethane	3.00	101	97634	19.823	ug/l	95
8) Diethyl Ether	3.39	74	40898	23.745	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	60378	22.067	ug/l	99
10) Methyl Iodide	3.93	142	50955	16.132	ug/l	97
11) Tert butyl alcohol	4.76	59	58092	113.693	ug/l #	80
12) 1,1-Dichloroethene	3.72	96	52352	22.076	ug/l	88
13) Acrolein	3.59	56	26326	98.703	ug/l	90
14) Allyl chloride	4.30	41	120255	22.263	ug/l	99
15) Acrylonitrile	4.96	53	156947	119.672	ug/l	100
16) Acetone	3.79	43	158593	100.843	ug/l	96
17) Carbon Disulfide	4.03	76	121663	21.922	ug/l	100
18) Methyl Acetate	4.30	43	82197	20.019	ug/l	98
19) Methyl tert-butyl Ether	5.02	73	222663	22.482	ug/l	100
20) Methylene Chloride	4.53	84	67213	22.115	ug/l	90
21) trans-1,2-Dichloroethene	5.02	96	56505	22.048	ug/l	96
22) Diisopropyl ether	5.93	45	260482	22.563	ug/l	99
23) Vinyl Acetate	5.87	43	1091557	125.634	ug/l	99
24) 1,1-Dichloroethane	5.83	63	134426	23.022	ug/l	98
25) 2-Butanone	6.82	43	234888	113.012	ug/l	98
26) 2,2-Dichloropropane	6.81	77	113200	21.994	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	72973	23.668	ug/l	97
28) Bromochloromethane	7.18	49	64727	21.141	ug/l	100
29) Tetrahydrofuran	7.19	42	146747	115.824	ug/l	96
30) Chloroform	7.36	83	139078	22.425	ug/l	98
31) Cyclohexane	7.64	56	117971	22.958	ug/l	94
32) 1,1,1-Trichloroethane	7.55	97	116327	22.606	ug/l	100
36) 1,1-Dichloropropene	7.78	75	96561	23.047	ug/l	96
37) Ethyl Acetate	6.91	43	88798	20.781	ug/l #	96
38) Carbon Tetrachloride	7.76	117	90446	21.162	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	102978	22.137	ug/l	99
40) Benzene	8.03	78	273504	22.442	ug/l	99
41) Methacrylonitrile	7.16	41	41556m	23.310	ug/l	
42) 1,2-Dichloroethane	8.11	62	124629	22.225	ug/l	100
43) Isopropyl Acetate	8.15	43	182797	23.286	ug/l #	90
44) Trichloroethene	8.82	130	60600	20.773	ug/l	93
45) 1,2-Dichloropropane	9.11	63	77294	22.706	ug/l	100
46) Dibromomethane	9.20	93	50569	22.807	ug/l	97
47) Bromodichloromethane	9.40	83	102713	22.391	ug/l	99
48) Methyl methacrylate	9.19	41	93058	24.554	ug/l	99
49) 1,4-Dioxane	9.19	88	22191	413.537	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	527341	121.726	ug/l	99
52) Toluene	10.15	92	163514	21.661	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	102906	21.940	ug/l	96
54) cis-1,3-Dichloropropene	9.83	75	112068	21.901	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	65707	21.849	ug/l	95
56) Ethyl methacrylate	10.43	69	106144	22.963	ug/l	99
57) 1,3-Dichloropropane	10.71	76	119484	22.513	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	261677	159.300	ug/l	99
59) 2-Hexanone	10.75	43	369282	121.598	ug/l	99
60) Dibromochloromethane	10.90	129	61636	20.884	ug/l	96
61) 1,2-Dibromoethane	11.00	107	62749	21.309	ug/l	98
64) Tetrachloroethene	10.63	164	50797	18.997	ug/l	94
65) Chlorobenzene	11.43	112	165885	21.170	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.51	131	59405	20.860	ug/l	99
67) Ethyl Benzene	11.51	91	331676	22.173	ug/l	98
68) m/p-Xylenes	11.62	106	231942	45.011	ug/l	100
69) o-Xylene	11.95	106	113638	22.130	ug/l	99
70) Styrene	11.96	104	192358	23.514	ug/l	99
71) Bromoform	12.13	173	35174	19.756	ug/l #	99
73) Isopropylbenzene	12.25	105	322659	16.198	ug/l	100
74) N-amyl acetate	12.07	43	159686	19.293	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	99223	18.376	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	78763m	17.269	ug/l	
77) Bromobenzene	12.53	156	69538	16.360	ug/l	98
78) n-propylbenzene	12.59	91	382792	17.616	ug/l	99
79) 2-Chlorotoluene	12.68	91	228962	17.079	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	274212	16.913	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	23866	17.825	ug/l	92
82) 4-Chlorotoluene	12.78	91	233280	18.369	ug/l	100
83) tert-Butylbenzene	13.00	119	229383	16.074	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	274131	18.464	ug/l	99
85) sec-Butylbenzene	13.17	105	315791	17.578	ug/l	100
86) p-Isopropyltoluene	13.29	119	268234	18.104	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	127372	21.771	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	125474	21.061	ug/l	100
89) n-Butylbenzene	13.62	91	258969	20.011	ug/l	99
90) Hexachloroethane	13.88	117	39515	14.988	ug/l	96
91) 1,2-Dichlorobenzene	13.66	146	124822	22.443	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	18700	23.493	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	73574	36.142	ug/l	97
94) Hexachlorobutadiene	15.01	225	34997	15.544	ug/l	97
95) Naphthalene	15.13	128	209971	39.311	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	71360	37.536	ug/l	100

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

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