

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101719\
 Data File : VN058819.D
 Acq On : 17 Oct 2019 12:13
 Operator : JC/SP
 Sample : VN1017WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1017WBS01

Manual Integrations
 APPROVED

Quant Time: Oct 18 02:12:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 12 00:00:30 2019
 Response via : Initial Calibration

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Internal Standards R.T. QIon Response Conc Units Dev(Min) 10/18/2019 3:25:56 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	369438	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	595659	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	547286	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	254252	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	272790	52.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.48%	
35) Dibromofluoromethane	7.57	113	195741	53.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.40%	
50) Toluene-d8	10.08	98	742316	50.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.90%	
62) 4-Bromofluorobenzene	12.40	95	266026	47.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.54%	

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	96976	21.076	ug/l	99
3) Chloromethane	2.04	50	112573	20.575	ug/l	100
4) Vinyl Chloride	2.17	62	115185	21.138	ug/l	99
5) Bromomethane	2.54	94	71938	21.701	ug/l	99
6) Chloroethane	2.68	64	72905	21.690	ug/l	99
7) Trichlorofluoromethane	3.00	101	143485	22.001	ug/l	98
8) Diethyl Ether	3.39	74	50633	21.013	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.74	101	80521	21.654	ug/l	97
10) Methyl Iodide	3.93	142	100893	19.883	ug/l	99
11) Tert butyl alcohol	4.76	59	94683	113.037	ug/l #	87
12) 1,1-Dichloroethene	3.72	96	73711	20.776	ug/l	97
13) Acrolein	3.59	56	43555	64.654	ug/l	97
14) Allyl chloride	4.30	41	153116	21.385	ug/l	99
15) Acrylonitrile	4.96	53	251312	118.972	ug/l	99
16) Acetone	3.79	43	269425	125.829	ug/l	99
17) Carbon Disulfide	4.03	76	221303	19.513	ug/l	100
18) Methyl Acetate	4.30	43	129770	23.893	ug/l	98
19) Methyl tert-butyl Ether	5.02	73	277926	21.937	ug/l	95
20) Methylene Chloride	4.53	84	93785	20.957	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	82566	20.805	ug/l	97
22) Diisopropyl ether	5.93	45	308870	22.187	ug/l	97
23) Vinyl Acetate	5.87	43	1305151	116.187	ug/l	99
24) 1,1-Dichloroethane	5.82	63	173663	21.903	ug/l	100
25) 2-Butanone	6.81	43	360639	116.527	ug/l	98
26) 2,2-Dichloropropane	6.80	77	151787	20.972	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	95717	20.683	ug/l	99
28) Bromochloromethane	7.18	49	58547	21.226	ug/l	95
29) Tetrahydrofuran	7.19	42	230818	115.408	ug/l	99
30) Chloroform	7.36	83	171689	21.553	ug/l	99
31) Cyclohexane	7.63	56	150844	19.884	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	146824	21.612	ug/l	99
36) 1,1-Dichloropropene	7.77	75	122968	20.418	ug/l	99
37) Ethyl Acetate	6.91	43	145231	23.844	ug/l	97
38) Carbon Tetrachloride	7.75	117	129423	22.050	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)	10/18/2019 3:25:56 PM
39) Methylcyclohexane	9.07	83	139039	19.896	ug/l	99	
40) Benzene	8.02	78	369546	21.365	ug/l	100	
41) Methacrylonitrile	7.16	41	66978m	23.492	ug/l		
42) 1,2-Dichloroethane	8.11	62	145327	21.870	ug/l	99	
43) Isopropyl Acetate	8.15	43	227526	21.928	ug/l	99	
44) Trichloroethene	8.82	130	91700	21.349	ug/l	97	
45) 1,2-Dichloropropane	9.11	63	103832	22.424	ug/l	98	
46) Dibromomethane	9.20	93	65612	22.350	ug/l	99	
47) Bromodichloromethane	9.39	83	132587	22.179	ug/l	99	
48) Methyl methacrylate	9.19	41	105355	22.400	ug/l	98	
49) 1,4-Dioxane	9.19	88	32995	453.461	ug/l	95	
51) 4-Methyl-2-Pentanone	9.98	43	726527	124.678	ug/l	98	
52) Toluene	10.15	92	223761	21.151	ug/l	99	
53) t-1,3-Dichloropropene	10.38	75	146283	21.335	ug/l	99	
54) cis-1,3-Dichloropropene	9.83	75	157707	21.664	ug/l	99	
55) 1,1,2-Trichloroethane	10.56	97	90971	21.010	ug/l	97	
56) Ethyl methacrylate	10.43	69	136918	21.645	ug/l	99	
57) 1,3-Dichloropropane	10.71	76	161578	21.899	ug/l	100	
58) 2-Chloroethyl Vinyl ether	9.69	63	321399	105.430	ug/l	100	
59) 2-Hexanone	10.75	43	541892	120.332	ug/l	98	
60) Dibromochloromethane	10.90	129	98106	21.964	ug/l	99	
61) 1,2-Dibromoethane	11.00	107	92641	21.356	ug/l	99	
64) Tetrachloroethene	10.63	164	79389	20.728	ug/l	98	
65) Chlorobenzene	11.43	112	236157	21.248	ug/l	99	
66) 1,1,1,2-Tetrachloroethane	11.51	131	89673	21.819	ug/l	100	
67) Ethyl Benzene	11.51	91	426899	21.548	ug/l	100	
68) m/p-Xylenes	11.62	106	310750	41.796	ug/l	98	
69) o-Xylene	11.95	106	149041	20.719	ug/l	99	
70) Styrene	11.97	104	239182	20.287	ug/l	98	
71) Bromoform	12.13	173	67644	22.455	ug/l	# 100	
73) Isopropylbenzene	12.25	105	410760	22.308	ug/l	99	
74) N-amyl acetate	12.07	43	185958	22.485	ug/l	98	
75) 1,1,2,2-Tetrachloroethane	12.51	83	141360	23.304	ug/l	98	
76) 1,2,3-Trichloropropane	12.56	75	129463m	23.211	ug/l		
77) Bromobenzene	12.53	156	98046	21.891	ug/l	98	
78) n-propylbenzene	12.59	91	479978	22.370	ug/l	99	
79) 2-Chlorotoluene	12.68	91	287261	21.570	ug/l	99	
80) 1,3,5-Trimethylbenzene	12.74	105	345876	22.002	ug/l	98	
81) trans-1,4-Dichloro-2-buten	12.30	75	46208	22.191	ug/l	94	
82) 4-Chlorotoluene	12.78	91	291397	21.323	ug/l	99	
83) tert-Butylbenzene	13.00	119	293513	21.795	ug/l	98	
84) 1,2,4-Trimethylbenzene	13.05	105	345995	22.170	ug/l	99	
85) sec-Butylbenzene	13.18	105	395596	22.293	ug/l	100	
86) p-Isopropyltoluene	13.29	119	347748	21.562	ug/l	98	
87) 1,3-Dichlorobenzene	13.29	146	172061	20.831	ug/l	99	
88) 1,4-Dichlorobenzene	13.37	146	169340	20.164	ug/l	98	
89) n-Butylbenzene	13.62	91	302695	20.298	ug/l	99	
90) Hexachloroethane	13.88	117	66534	23.056	ug/l	95	
91) 1,2-Dichlorobenzene	13.66	146	169339	21.035	ug/l	98	
92) 1,2-Dibromo-3-Chloropropan	14.28	75	30399	21.451	ug/l	97	

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93) 1,2,4-Trichlorobenzene	14.92	180	91925	18.719	ug/l	99	
94) Hexachlorobutadiene	15.02	225	53397	20.648	ug/l	97	
95) Naphthalene	15.13	128	267550	18.957	ug/l	99	
96) 1,2,3-Trichlorobenzene	15.30	180	90793	18.937	ug/l	99	

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

