

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121119\
 Data File : VN059564.D
 Acq On : 11 Dec 2019 16:08
 Operator : JC/SP
 Sample : VN1211WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1211WBSD01

Manual Integrations
 APPROVED

apatel
 12/12/2019 9:25:37 AM

Quant Time: Dec 12 01:32:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N120919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 10 01:09:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	277743	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	447703	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	406812	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	192831	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	209426	53.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.90%	
35) Dibromofluoromethane	7.57	113	148026	55.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.82%	
50) Toluene-d8	10.08	98	569900	52.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.50%	
62) 4-Bromofluorobenzene	12.40	95	202725	50.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	64198	20.040	ug/l	97
3) Chloromethane	2.04	50	100985	20.824	ug/l	100
4) Vinyl Chloride	2.17	62	98754	20.661	ug/l	100
5) Bromomethane	2.54	94	57933	19.899	ug/l	96
6) Chloroethane	2.68	64	58006	20.323	ug/l	97
7) Trichlorofluoromethane	2.99	101	123017	21.530	ug/l	99
8) Diethyl Ether	3.39	74	36088	18.429	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	58012	19.509	ug/l	98
10) Methyl Iodide	3.92	142	72449	17.993	ug/l	97
11) Tert butyl alcohol	4.75	59	76982	119.874	ug/l #	87
12) 1,1-Dichloroethene	3.71	96	55141	19.075	ug/l	96
13) Acrolein	3.58	56	43370	138.780	ug/l	98
14) Allyl chloride	4.29	41	110393	19.852	ug/l	98
15) Acrylonitrile	4.95	53	174045	102.757	ug/l	100
16) Acetone	3.79	43	225806	124.524	ug/l	99
17) Carbon Disulfide	4.02	76	173723	18.624	ug/l	100
18) Methyl Acetate	4.30	43	93409	19.620	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	197882	20.593	ug/l	99
20) Methylene Chloride	4.52	84	66647	20.232	ug/l	96
21) trans-1,2-Dichloroethene	5.00	96	61272	19.748	ug/l	95
22) Diisopropyl ether	5.92	45	219165	20.703	ug/l	99
23) Vinyl Acetate	5.86	43	935729	105.962	ug/l	100
24) 1,1-Dichloroethane	5.82	63	123834	20.603	ug/l	99
25) 2-Butanone	6.81	43	276739	113.379	ug/l	99
26) 2,2-Dichloropropane	6.80	77	111211	20.481	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	69595	19.942	ug/l	99
28) Bromochloromethane	7.17	49	51746	24.255	ug/l	98
29) Tetrahydrofuran	7.19	42	174704	102.900	ug/l	99
30) Chloroform	7.35	83	120526	20.318	ug/l	95
31) Cyclohexane	7.63	56	113688	19.436	ug/l	98
32) 1,1,1-Trichloroethane	7.54	97	107213	20.373	ug/l	99
36) 1,1-Dichloropropene	7.77	75	91877	20.003	ug/l	99
37) Ethyl Acetate	6.90	43	105776	20.678	ug/l	99
38) Carbon Tetrachloride	7.75	117	94161	20.798	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	102285	19.852	ug/l	97
40) Benzene	8.02	78	266189	20.286	ug/l	100
41) Methacrylonitrile	7.16	41	46378m	20.777	ug/l	
42) 1,2-Dichloroethane	8.10	62	103468	21.164	ug/l	99
43) Isopropyl Acetate	8.15	43	162783	20.530	ug/l	99
44) Trichloroethene	8.82	130	67542	20.375	ug/l	97
45) 1,2-Dichloropropane	9.10	63	73441	21.128	ug/l	99
46) Dibromomethane	9.19	93	47298	20.589	ug/l	98
47) Bromodichloromethane	9.39	83	96056	21.039	ug/l	98
48) Methyl methacrylate	9.18	41	71947	20.753	ug/l	98
49) 1,4-Dioxane	9.19	88	23726	534.884	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	516902	102.123	ug/l	99
52) Toluene	10.14	92	160656	20.549	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	106115	19.948	ug/l	97
54) cis-1,3-Dichloropropene	9.83	75	112559	20.674	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	64157	20.290	ug/l	98
56) Ethyl methacrylate	10.42	69	93724	18.602	ug/l	99
57) 1,3-Dichloropropane	10.70	76	112206	20.777	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	158549	122.398	ug/l	100
59) 2-Hexanone	10.74	43	382834	100.823	ug/l	99
60) Dibromochloromethane	10.90	129	69115	18.978	ug/l	99
61) 1,2-Dibromoethane	11.00	107	65400	19.868	ug/l	98
64) Tetrachloroethene	10.63	164	59242	19.925	ug/l	96
65) Chlorobenzene	11.43	112	167844	19.691	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	64604	20.321	ug/l	97
67) Ethyl Benzene	11.51	91	305843	19.939	ug/l	99
68) m/p-Xylenes	11.62	106	225272	39.150	ug/l	97
69) o-Xylene	11.94	106	107522	20.076	ug/l	96
70) Styrene	11.96	104	171372	19.314	ug/l	98
71) Bromoform	12.12	173	48105	19.231	ug/l #	99
73) Isopropylbenzene	12.25	105	287161	19.853	ug/l	100
74) N-amyl acetate	12.07	43	131425	20.859	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	97100	19.811	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	102605m	20.807	ug/l	
77) Bromobenzene	12.52	156	70480	19.572	ug/l	94
78) n-propylbenzene	12.59	91	346164	19.476	ug/l	99
79) 2-Chlorotoluene	12.67	91	202505	19.107	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	245642	19.804	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	34832	19.005	ug/l #	84
82) 4-Chlorotoluene	12.77	91	208202	19.212	ug/l	99
83) tert-Butylbenzene	12.99	119	201844	19.514	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	247790	20.232	ug/l	97
85) sec-Butylbenzene	13.17	105	284003	19.990	ug/l	99
86) p-Isopropyltoluene	13.29	119	253692	19.979	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	126529	19.077	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	124572	19.181	ug/l	97
89) n-Butylbenzene	13.62	91	237811	19.946	ug/l	97
90) Hexachloroethane	13.87	117	46402	19.898	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	122034	19.606	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	23263	21.918	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	79235	18.405	ug/l	99
94) Hexachlorobutadiene	15.01	225	41323	18.789	ug/l	97
95) Naphthalene	15.13	128	229284	18.220	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	79250	20.398	ug/l	100

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

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