

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041919\
 Data File : VN055154.D
 Acq On : 19 Apr 2019 22:03
 Operator : JC/SP
 Sample : VN0419WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0419WBSD02

Manual Integrations
 APPROVED

MMDadoda
 4/22/2019 10:07:34 AM

Quant Time: Apr 20 05:06:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041519W.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 15 12:28:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	370004	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	614980	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	514126	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	199021	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	260375	52.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.88%	
35) Dibromofluoromethane	7.59	113	203590	49.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.08%	
50) Toluene-d8	10.09	98	726901	49.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.84%	
62) 4-Bromofluorobenzene	12.40	95	233532	48.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	74506	17.719	ug/l	98
3) Chloromethane	2.06	50	98193	17.904	ug/l	97
4) Vinyl Chloride	2.19	62	79912	17.335	ug/l	100
5) Bromomethane	2.55	94	43458	16.664	ug/l	99
6) Chloroethane	2.70	64	43972	17.688	ug/l	100
7) Trichlorofluoromethane	3.01	101	117893	20.449	ug/l	98
8) Diethyl Ether	3.41	74	46288	25.153	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.76	101	72292	23.961	ug/l	98
10) Methyl Iodide	3.95	142	103167	22.035	ug/l	92
11) Tert butyl alcohol	4.79	59	38833	144.046	ug/l	99
12) 1,1-Dichloroethene	3.74	96	70465	23.994	ug/l	89
13) Acrolein	3.61	56	24769	74.331	ug/l	96
14) Allyl chloride	4.33	41	144726	20.133	ug/l	98
15) Acrylonitrile	4.99	53	189140	117.264	ug/l	98
16) Acetone	3.82	43	145601	109.072	ug/l	96
17) Carbon Disulfide	4.05	76	155356	16.388	ug/l	99
18) Methyl Acetate	4.33	43	96145	24.769	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	230697	21.960	ug/l	97
20) Methylene Chloride	4.55	84	90423	19.269	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	75799	19.084	ug/l	99
22) Diisopropyl ether	5.95	45	307348	20.798	ug/l	91
23) Vinyl Acetate	5.90	43	1100238	112.640	ug/l	99
24) 1,1-Dichloroethane	5.85	63	160849	20.440	ug/l	98
25) 2-Butanone	6.84	43	233488	117.193	ug/l	98
26) 2,2-Dichloropropane	6.83	77	92696	18.663	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	90205	20.074	ug/l	98
28) Bromochloromethane	7.20	49	78888	20.796	ug/l	99
29) Tetrahydrofuran	7.22	42	160039	122.494	ug/l	99
30) Chloroform	7.37	83	155154	20.298	ug/l	98
31) Cyclohexane	7.65	56	139150	19.231	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	122124	20.166	ug/l	100
36) 1,1-Dichloropropene	7.80	75	107380	18.522	ug/l	98
37) Ethyl Acetate	6.93	43	102632	21.746	ug/l	97
38) Carbon Tetrachloride	7.77	117	100927	18.298	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	105606	16.810	ug/l	98
40) Benzene	8.04	78	333535	19.089	ug/l	99
41) Methacrylonitrile	7.18	41	54781	20.910	ug/l	98
42) 1,2-Dichloroethane	8.13	62	119134	19.638	ug/l	99
43) Isopropyl Acetate	8.17	43	173886	23.910	ug/l	100
44) Trichloroethene	8.84	130	83753	19.137	ug/l	100
45) 1,2-Dichloropropane	9.12	63	97911	20.093	ug/l	99
46) Dibromomethane	9.21	93	57031	20.562	ug/l	100
47) Bromodichloromethane	9.40	83	114659	20.051	ug/l	97
48) Methyl methacrylate	9.20	41	79020	21.922	ug/l	99
49) 1,4-Dioxane	9.20	88	18783	556.187	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	495150	117.852	ug/l	98
52) Toluene	10.16	92	194711	19.457	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	100929	20.197	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	123816	19.963	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	80222	20.807	ug/l	100
56) Ethyl methacrylate	10.43	69	101520	21.940	ug/l	99
57) 1,3-Dichloropropane	10.71	76	136047	20.725	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	175365	93.318	ug/l	99
59) 2-Hexanone	10.75	43	308700	116.980	ug/l	98
60) Dibromochloromethane	10.90	129	76947	20.438	ug/l	98
61) 1,2-Dibromoethane	11.01	107	75328	21.227	ug/l	99
64) Tetrachloroethene	10.63	164	81017	19.379	ug/l	93
65) Chlorobenzene	11.43	112	199951	19.321	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	79293	20.832	ug/l	99
67) Ethyl Benzene	11.51	91	360169	19.488	ug/l	100
68) m/p-Xylenes	11.62	106	260965	38.995	ug/l	100
69) o-Xylene	11.95	106	131867	20.344	ug/l	100
70) Styrene	11.96	104	214502	20.444	ug/l	99
71) Bromoform	12.13	173	47757	21.890	ug/l #	99
73) Isopropylbenzene	12.25	105	347925	19.701	ug/l	99
74) N-amyl acetate	12.07	43	116338	23.401	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	102884	21.771	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	75849m	21.193	ug/l	
77) Bromobenzene	12.53	156	84783	19.256	ug/l	97
78) n-propylbenzene	12.59	91	364443	19.100	ug/l	100
79) 2-Chlorotoluene	12.67	91	234736	19.723	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	285298	20.018	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	19495	21.783	ug/l	94
82) 4-Chlorotoluene	12.77	91	218863	19.711	ug/l	100
83) tert-Butylbenzene	12.99	119	239887	19.931	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	264298	19.568	ug/l	100
85) sec-Butylbenzene	13.17	105	300220	19.575	ug/l	99
86) p-Isopropyltoluene	13.29	119	257122	19.541	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	131463	19.644	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	124741	19.547	ug/l	99
89) n-Butylbenzene	13.61	91	174889	17.905	ug/l	98
90) Hexachloroethane	13.87	117	42053	19.642	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	135429	20.113	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	14139	24.297	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	43997	16.320	ug/l	97
94) Hexachlorobutadiene	15.01	225	42085	20.236	ug/l	96
95) Naphthalene	15.13	128	107019	17.144	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	48497	18.670	ug/l	97

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

