

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032819\
 Data File : VN054735.D
 Acq On : 28 Mar 2019 11:09
 Operator : JC/SP
 Sample : VN0328WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0328WBS01

Manual Integrations
 APPROVED

MMDadoda
 3/29/2019 9:49:28 AM

Quant Time: Mar 29 05:34:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:09:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	450134	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	727484	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	628511	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	270130	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	260534	46.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.06%	
35) Dibromofluoromethane	7.59	113	208911	44.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.14%	
50) Toluene-d8	10.09	98	758641	43.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.12%	
62) 4-Bromofluorobenzene	12.40	95	253208	42.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	91344	21.227	ug/l	96
3) Chloromethane	2.06	50	125456	21.428	ug/l	98
4) Vinyl Chloride	2.19	62	111903	19.037	ug/l	98
5) Bromomethane	2.58	94	64959	17.090	ug/l	100
6) Chloroethane	2.71	64	60213	17.078	ug/l	95
7) Trichlorofluoromethane	3.03	101	140028	19.616	ug/l	99
8) Diethyl Ether	3.41	74	44618	16.251	ug/l	66
9) 1,1,2-Trichlorotrifluoroet	3.75	101	74057	17.652	ug/l	94
10) Methyl Iodide	3.95	142	100405	16.269	ug/l #	90
11) Tert butyl alcohol	4.82	59	32217	95.043	ug/l	98
12) 1,1-Dichloroethene	3.73	96	70453	16.227	ug/l #	72
13) Acrolein	3.61	56	28087	60.042	ug/l	92
14) Allyl chloride	4.32	41	169357	20.715	ug/l #	92
15) Acrylonitrile	5.00	53	181054	107.256	ug/l	100
16) Acetone	3.82	43	180823	107.420	ug/l #	82
17) Carbon Disulfide	4.04	76	221271	19.021	ug/l	99
18) Methyl Acetate	4.34	43	79506	21.191	ug/l #	89
19) Methyl tert-butyl Ether	5.06	73	248086	19.579	ug/l	94
20) Methylene Chloride	4.55	84	99248	20.001	ug/l #	82
21) trans-1,2-Dichloroethene	5.04	96	93047	20.988	ug/l	87
22) Diisopropyl ether	5.96	45	345967	21.453	ug/l #	95
23) Vinyl Acetate	5.90	43	1229888	107.984	ug/l #	92
24) 1,1-Dichloroethane	5.85	63	186513	21.480	ug/l	99
25) 2-Butanone	6.85	43	241288	111.897	ug/l #	89
26) 2,2-Dichloropropane	6.82	77	128621	20.780	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	106014	20.048	ug/l	87
28) Bromochloromethane	7.20	49	78630	18.397	ug/l #	69
29) Tetrahydrofuran	7.22	42	152893	109.262	ug/l #	84
30) Chloroform	7.37	83	176217	20.795	ug/l	100
31) Cyclohexane	7.65	56	180999	20.665	ug/l	88
32) 1,1,1-Trichloroethane	7.57	97	145045	20.748	ug/l	95
36) 1,1-Dichloropropene	7.79	75	134132	19.719	ug/l	96
37) Ethyl Acetate	6.94	43	101893	21.062	ug/l	96
38) Carbon Tetrachloride	7.77	117	126300	19.107	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	155880	20.034	ug/l	89
40) Benzene	8.04	78	396630	20.391	ug/l	99
41) Methacrylonitrile	7.18	41	49143	16.657	ug/l	92
42) 1,2-Dichloroethane	8.13	62	140943	19.897	ug/l	99
43) Isopropyl Acetate	8.17	43	167712	20.527	ug/l #	93
44) Trichloroethene	8.83	130	102678	18.987	ug/l	92
45) 1,2-Dichloropropane	9.12	63	110167	21.093	ug/l	100
46) Dibromomethane	9.21	93	64348	20.652	ug/l	85
47) Bromodichloromethane	9.40	83	131028	20.262	ug/l	96
48) Methyl methacrylate	9.20	41	86424	19.489	ug/l #	85
49) 1,4-Dioxane	9.21	88	19508	393.494	ug/l #	86
51) 4-Methyl-2-Pentanone	9.99	43	477945	105.551	ug/l	92
52) Toluene	10.16	92	231566	19.357	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	117569	18.698	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	149204	20.123	ug/l #	91
55) 1,1,2-Trichloroethane	10.56	97	87300	20.301	ug/l	95
56) Ethyl methacrylate	10.43	69	110548	19.153	ug/l #	82
57) 1,3-Dichloropropane	10.71	76	151918	20.323	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	176339	74.194	ug/l #	87
59) 2-Hexanone	10.75	43	311000	105.150	ug/l	90
60) Dibromochloromethane	10.90	129	87219	19.060	ug/l	100
61) 1,2-Dibromoethane	11.01	107	81442	19.157	ug/l	98
64) Tetrachloroethene	10.63	164	100934	19.361	ug/l	98
65) Chlorobenzene	11.43	112	245479	19.203	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	91758	19.998	ug/l	99
67) Ethyl Benzene	11.51	91	441480	19.551	ug/l	95
68) m/p-Xylenes	11.62	106	327730	38.318	ug/l	94
69) o-Xylene	11.95	106	159656	19.114	ug/l	95
70) Styrene	11.96	104	259259	19.113	ug/l	95
71) Bromoform	12.13	173	51436	17.759	ug/l #	98
73) Isopropylbenzene	12.25	105	416710	19.144	ug/l	98
74) N-amyl acetate	12.07	43	137278	21.933	ug/l	91
75) 1,1,2,2-Tetrachloroethane	12.50	83	104132	20.956	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	88117m	20.557	ug/l	
77) Bromobenzene	12.53	156	102156	18.922	ug/l	85
78) n-propylbenzene	12.59	91	476580	20.191	ug/l	95
79) 2-Chlorotoluene	12.67	91	285844	19.420	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	348181	19.516	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	22376	20.026	ug/l #	83
82) 4-Chlorotoluene	12.77	91	279535	19.592	ug/l	95
83) tert-Butylbenzene	12.99	119	294029	18.934	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	343700	19.634	ug/l	98
85) sec-Butylbenzene	13.17	105	387187	20.001	ug/l	98
86) p-Isopropyltoluene	13.29	119	341262	19.704	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	174891	19.549	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	169466	19.469	ug/l	98
89) n-Butylbenzene	13.61	91	278393	20.557	ug/l	98
90) Hexachloroethane	13.87	117	52923	19.686	ug/l	87
91) 1,2-Dichlorobenzene	13.65	146	168526	19.448	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	15173	20.818	ug/l	80

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	78530	18.179	ug/l	98
94) Hexachlorobutadiene	15.01	225	58953	22.949	ug/l	95
95) Naphthalene	15.13	128	171925	17.843	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	79082	18.394	ug/l	98

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

