

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031519\
 Data File : VN054321.D
 Acq On : 15 Mar 2019 20:33
 Operator : JC/SP
 Sample : VN0315WBSD01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0315WBSD01

Manual Integrations
 APPROVED

MMDadoda
 3/16/2019 11:09:23 AM

Quant Time: Mar 16 04:40:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1334492	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2017164	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1746444	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	783337	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	725766	51.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.42%	
35) Dibromofluoromethane	7.59	113	670445	51.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.06%	
50) Toluene-d8	10.09	98	2383576	49.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.22%	
62) 4-Bromofluorobenzene	12.40	95	798459	47.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.98%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	254254	20.103	ug/l	99
3) Chloromethane	2.06	50	230027	18.723	ug/l	98
4) Vinyl Chloride	2.19	62	274945	19.580	ug/l	99
5) Bromomethane	2.57	94	176833	18.183	ug/l	98
6) Chloroethane	2.71	64	166003	19.539	ug/l	100
7) Trichlorofluoromethane	3.02	101	363532	19.472	ug/l	98
8) Diethyl Ether	3.41	74	190407	22.381	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.75	101	283777	20.284	ug/l	100
10) Methyl Iodide	3.94	142	388134	20.448	ug/l	98
11) Tert butyl alcohol	4.83	59	105200	108.278	ug/l #	86
12) 1,1-Dichloroethene	3.73	96	294209	21.221	ug/l	96
13) Acrolein	3.61	56	62555	67.946	ug/l	99
14) Allyl chloride	4.32	41	342283	19.242	ug/l	100
15) Acrylonitrile	5.00	53	474813	118.973	ug/l	99
16) Acetone	3.82	43	351748	86.683	ug/l	99
17) Carbon Disulfide	4.04	76	646172	18.592	ug/l	100
18) Methyl Acetate	4.33	43	220951	26.913	ug/l	99
19) Methyl tert-butyl Ether	5.06	73	768126	22.352	ug/l	99
20) Methylene Chloride	4.55	84	287214	21.556	ug/l	97
21) trans-1,2-Dichloroethene	5.03	96	273028	20.554	ug/l	98
22) Diisopropyl ether	5.96	45	746443	21.026	ug/l	98
23) Vinyl Acetate	5.90	43	2691471	102.824	ug/l	99
24) 1,1-Dichloroethane	5.85	63	487038	21.366	ug/l	99
25) 2-Butanone	6.85	43	546357	114.716	ug/l	98
26) 2,2-Dichloropropane	6.82	77	279062	13.921	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	320424	21.622	ug/l	95
28) Bromochloromethane	7.19	49	204626	21.958	ug/l	96
29) Tetrahydrofuran	7.22	42	370688	121.051	ug/l	98
30) Chloroform	7.37	83	514444	21.628	ug/l	99
31) Cyclohexane	7.65	56	415906	18.748	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	436404	20.315	ug/l	100
36) 1,1-Dichloropropene	7.79	75	366350	19.721	ug/l	98
37) Ethyl Acetate	6.94	43	238463	22.341	ug/l	98
38) Carbon Tetrachloride	7.77	117	373490	19.172	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	405161	17.727	ug/l	98
40) Benzene	8.04	78	1117311	21.019	ug/l	100
41) Methacrylonitrile	7.18	41	131347	21.552	ug/l	97
42) 1,2-Dichloroethane	8.13	62	376752	20.992	ug/l	98
43) Isopropyl Acetate	8.17	43	390083	20.821	ug/l	98
44) Trichloroethene	8.83	130	354265	21.453	ug/l	96
45) 1,2-Dichloropropane	9.12	63	287483	21.780	ug/l	100
46) Dibromomethane	9.21	93	193622	21.710	ug/l	100
47) Bromodichloromethane	9.40	83	362162	20.256	ug/l	97
48) Methyl methacrylate	9.20	41	208670	21.947	ug/l	97
49) 1,4-Dioxane	9.21	88	67235	499.933	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	1162527	117.251	ug/l	97
52) Toluene	10.16	92	703675	20.877	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	315350	16.794	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	389796	18.709	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	274742	22.324	ug/l	99
56) Ethyl methacrylate	10.43	69	319683	21.784	ug/l	97
57) 1,3-Dichloropropane	10.71	76	443200	22.023	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	611307	106.383	ug/l	99
59) 2-Hexanone	10.75	43	740808	112.289	ug/l	99
60) Dibromochloromethane	10.90	129	276499	19.960	ug/l	99
61) 1,2-Dibromoethane	11.01	107	280292	22.411	ug/l	100
64) Tetrachloroethene	10.63	164	345992	20.491	ug/l	97
65) Chlorobenzene	11.43	112	802097	20.917	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	288890	20.738	ug/l	99
67) Ethyl Benzene	11.51	91	1293866	20.354	ug/l	100
68) m/p-Xylenes	11.62	106	1034628	41.643	ug/l	98
69) o-Xylene	11.95	106	514395	21.239	ug/l	98
70) Styrene	11.96	104	789957	20.797	ug/l	100
71) Bromoform	12.13	173	182608	18.738	ug/l #	99
73) Isopropylbenzene	12.25	105	1339684	21.376	ug/l	100
74) N-amyl acetate	12.07	43	302065	21.714	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.51	83	322588	24.159	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	241610m	20.974	ug/l	
77) Bromobenzene	12.53	156	360130	21.716	ug/l	97
78) n-propylbenzene	12.59	91	1386222	20.385	ug/l	100
79) 2-Chlorotoluene	12.68	91	870603	21.292	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1068650	20.500	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	47990	14.241	ug/l #	79
82) 4-Chlorotoluene	12.77	91	843408	20.658	ug/l	99
83) tert-Butylbenzene	12.99	119	975132	20.323	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1074132	21.003	ug/l	99
85) sec-Butylbenzene	13.17	105	1212396	19.484	ug/l	100
86) p-Isopropyltoluene	13.29	119	1040507	19.060	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	582523	20.846	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	570114	20.768	ug/l	100
89) n-Butylbenzene	13.62	91	730694	17.616	ug/l	100
90) Hexachloroethane	13.88	117	152863	16.911	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	597545	21.874	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	46465	22.488	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	268198	17.960	ug/l	98
94) Hexachlorobutadiene	15.01	225	168913	16.233	ug/l	99
95) Naphthalene	15.13	128	644523	20.927	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	279939	19.286	ug/l	98

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

