

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052419\
 Data File : VN055831.D
 Acq On : 25 May 2019 6:44
 Operator : JC/SP
 Sample : VN0524WBSD03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0524WBSD03

Manual Integrations
 APPROVED

MMDadoda
 5/28/2019 10:36:59 AM

Quant Time: May 26 23:28:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 24 06:41:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	347772	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	506990	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	447633	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	187185	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	179579	50.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.00%	
35) Dibromofluoromethane	7.59	113	162895	50.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.64%	
50) Toluene-d8	10.09	98	608164	49.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.92%	
62) 4-Bromofluorobenzene	12.40	95	202306	47.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	43434	18.557	ug/l	100
3) Chloromethane	2.06	50	63033	19.221	ug/l	99
4) Vinyl Chloride	2.19	62	69289	19.810	ug/l	96
5) Bromomethane	2.54	94	49480	22.612	ug/l	100
6) Chloroethane	2.69	64	41870	19.883	ug/l	94
7) Trichlorofluoromethane	3.01	101	89587	19.537	ug/l	99
8) Diethyl Ether	3.40	74	40152	19.536	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	55541	19.403	ug/l	98
10) Methyl Iodide	3.94	142	82115	19.621	ug/l	99
11) Tert butyl alcohol	4.81	59	69462	101.224	ug/l	98
12) 1,1-Dichloroethene	3.72	96	57427	19.416	ug/l	95
13) Acrolein	3.60	56	36049	73.366	ug/l	96
14) Allyl chloride	4.31	41	89283	17.609	ug/l	100
15) Acrylonitrile	4.99	53	154244	97.887	ug/l	99
16) Acetone	3.82	43	125698	79.619	ug/l	98
17) Carbon Disulfide	4.04	76	149570	17.799	ug/l	98
18) Methyl Acetate	4.33	43	68694	20.661	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	192082	19.472	ug/l	100
20) Methylene Chloride	4.55	84	67541	19.754	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	62374	19.630	ug/l	98
22) Diisopropyl ether	5.95	45	190684	19.336	ug/l	95
23) Vinyl Acetate	5.90	43	783863	92.707	ug/l	100
24) 1,1-Dichloroethane	5.84	63	110175	19.188	ug/l	99
25) 2-Butanone	6.84	43	197335	89.500	ug/l	99
26) 2,2-Dichloropropane	6.82	77	53556	10.777	ug/l	95
27) cis-1,2-Dichloroethene	6.83	96	79433	21.427	ug/l	94
28) Bromochloromethane	7.19	49	56296	20.593	ug/l	97
29) Tetrahydrofuran	7.22	42	134609	96.406	ug/l	99
30) Chloroform	7.37	83	113455	19.813	ug/l	100
31) Cyclohexane	7.65	56	102872	19.083	ug/l	93
32) 1,1,1-Trichloroethane	7.57	97	97836	19.147	ug/l	100
36) 1,1-Dichloropropene	7.79	75	84599	19.148	ug/l	99
37) Ethyl Acetate	6.93	43	81582	19.105	ug/l	99
38) Carbon Tetrachloride	7.77	117	87061	18.917	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	102715	18.774	ug/l	98
40) Benzene	8.04	78	260047	19.529	ug/l	99
41) Methacrylonitrile	7.18	41	37962	17.597	ug/l	97
42) 1,2-Dichloroethane	8.12	62	86022	19.770	ug/l	100
43) Isopropyl Acetate	8.17	43	133882	18.660	ug/l #	90
44) Trichloroethene	8.83	130	75327	20.292	ug/l	100
45) 1,2-Dichloropropane	9.12	63	67851	19.558	ug/l	97
46) Dibromomethane	9.21	93	45666	20.071	ug/l	98
47) Bromodichloromethane	9.40	83	87379	18.729	ug/l	99
48) Methyl methacrylate	9.20	41	65527	19.817	ug/l	98
49) 1,4-Dioxane	9.20	88	27080	394.094	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	408776	96.469	ug/l	99
52) Toluene	10.16	92	168228	20.088	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	85051	17.079	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	95972	17.396	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	67611	20.153	ug/l	99
56) Ethyl methacrylate	10.43	69	100887	19.457	ug/l	99
57) 1,3-Dichloropropane	10.71	76	106773	19.579	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	168407	84.990	ug/l	99
59) 2-Hexanone	10.75	43	283638	94.356	ug/l	99
60) Dibromochloromethane	10.90	129	72733	18.610	ug/l	99
61) 1,2-Dibromoethane	11.00	107	69143	19.869	ug/l	100
64) Tetrachloroethene	10.63	164	82287	21.795	ug/l	98
65) Chlorobenzene	11.43	112	180196	20.109	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	68273	19.103	ug/l	100
67) Ethyl Benzene	11.51	91	315772	19.650	ug/l	98
68) m/p-Xylenes	11.62	106	242735	39.955	ug/l	98
69) o-Xylene	11.95	106	119430	19.815	ug/l	100
70) Styrene	11.96	104	193810	19.856	ug/l	100
71) Bromoform	12.13	173	54895	18.007	ug/l #	98
73) Isopropylbenzene	12.25	105	316375	22.282	ug/l	99
74) N-amyl acetate	12.07	43	106880	19.705	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	91709	21.358	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	80552m	23.311	ug/l	
77) Bromobenzene	12.53	156	83471	20.897	ug/l	95
78) n-propylbenzene	12.59	91	324903	19.971	ug/l	99
79) 2-Chlorotoluene	12.67	91	200964	21.479	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	257438	21.511	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	20405	14.667	ug/l	95
82) 4-Chlorotoluene	12.77	91	190409	19.910	ug/l	99
83) tert-Butylbenzene	12.99	119	229474	21.991	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	251132	21.090	ug/l	100
85) sec-Butylbenzene	13.17	105	288592	21.559	ug/l	99
86) p-Isopropyltoluene	13.29	119	259262	19.944	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	127572	20.170	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	122278	20.335	ug/l	100
89) n-Butylbenzene	13.61	91	188092	18.885	ug/l	100
90) Hexachloroethane	13.87	117	45684	18.464	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	130638	20.703	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	15015	18.104	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	63408	19.832	ug/l	98
94) Hexachlorobutadiene	15.01	225	49301	21.146	ug/l	99
95) Naphthalene	15.13	128	178823	20.652	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	69522	20.842	ug/l	98

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

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