

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102419\
 Data File : VN058928.D
 Acq On : 23 Oct 2019 14:40
 Operator : JC/SP
 Sample : VN1024WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1024WBSD01

Manual Integrations
 APPROVED

MMDadoda
 10/25/2019 2:44:23 PM

Quant Time: Oct 24 02:01:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 19 00:16:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	330070	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	531872	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	498224	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	232055	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	252993	52.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.52%	
35) Dibromofluoromethane	7.57	113	181764	51.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.96%	
50) Toluene-d8	10.08	98	700127	51.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.16%	
62) 4-Bromofluorobenzene	12.40	95	245307	49.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.42%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.83	85	83965	20.403	ug/l	99
3) Chloromethane	2.04	50	99500	19.522	ug/l	98
4) Vinyl Chloride	2.17	62	102366	20.228	ug/l	99
5) Bromomethane	2.55	94	62772	19.808	ug/l	94
6) Chloroethane	2.69	64	65556	20.200	ug/l	98
7) Trichlorofluoromethane	3.00	101	128087	20.456	ug/l	97
8) Diethyl Ether	3.39	74	44501	20.565	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	70336	20.262	ug/l	99
10) Methyl Iodide	3.93	142	91753	20.097	ug/l	98
11) Tert butyl alcohol	4.76	59	77770	96.808	ug/l	99
12) 1,1-Dichloroethene	3.72	96	66107	20.316	ug/l	95
13) Acrolein	3.58	56	36013	65.243	ug/l	98
14) Allyl chloride	4.30	41	131959	20.042	ug/l	99
15) Acrylonitrile	4.96	53	209501	103.676	ug/l	99
16) Acetone	3.80	43	200985	84.019	ug/l	98
17) Carbon Disulfide	4.03	76	198647	18.952	ug/l	100
18) Methyl Acetate	4.30	43	116924	21.499	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	236515	20.758	ug/l	100
20) Methylene Chloride	4.53	84	80490	19.706	ug/l	96
21) trans-1,2-Dichloroethene	5.01	96	73120	20.348	ug/l	96
22) Diisopropyl ether	5.93	45	268630	20.858	ug/l	96
23) Vinyl Acetate	5.87	43	1126392	108.860	ug/l	100
24) 1,1-Dichloroethane	5.82	63	153264	20.524	ug/l	98
25) 2-Butanone	6.82	43	293061	94.376	ug/l	99
26) 2,2-Dichloropropane	6.81	77	123071	19.053	ug/l	97
27) cis-1,2-Dichloroethene	6.81	96	83461	20.332	ug/l	99
28) Bromochloromethane	7.17	49	51200	20.587	ug/l	99
29) Tetrahydrofuran	7.19	42	193044	101.625	ug/l	99
30) Chloroform	7.36	83	151414	20.213	ug/l	100
31) Cyclohexane	7.64	56	135003	19.405	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	128521	20.355	ug/l	98
36) 1,1-Dichloropropene	7.78	75	109487	20.107	ug/l	99
37) Ethyl Acetate	6.91	43	124486	20.981	ug/l	99
38) Carbon Tetrachloride	7.76	117	111573	19.889	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	117993	19.298	ug/l	96
40) Benzene	8.03	78	328386	20.537	ug/l	99
41) Methacrylonitrile	7.15	41	46389	17.555	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	125005	20.295	ug/l	100
43) Isopropyl Acetate	8.15	43	192840	20.266	ug/l #	91
44) Trichloroethene	8.82	130	77233	19.828	ug/l	99
45) 1,2-Dichloropropane	9.11	63	89252	20.356	ug/l	100
46) Dibromomethane	9.20	93	57028	20.574	ug/l	98
47) Bromodichloromethane	9.39	83	118099	20.672	ug/l	98
48) Methyl methacrylate	9.19	41	91121	21.106	ug/l	97
49) 1,4-Dioxane	9.19	88	27432	387.069	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	611845	110.083	ug/l	99
52) Toluene	10.15	92	198230	20.905	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	126788	20.047	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	135268	20.019	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	79696	20.402	ug/l	98
56) Ethyl methacrylate	10.43	69	117618	19.271	ug/l	99
57) 1,3-Dichloropropane	10.70	76	138413	20.189	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	247927	93.115	ug/l	100
59) 2-Hexanone	10.75	43	448543	104.437	ug/l	98
60) Dibromochloromethane	10.90	129	86052	20.467	ug/l	99
61) 1,2-Dibromoethane	11.00	107	82014	20.516	ug/l	98
64) Tetrachloroethene	10.63	164	69344	19.874	ug/l	99
65) Chlorobenzene	11.43	112	206852	20.393	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	78527	20.516	ug/l	99
67) Ethyl Benzene	11.51	91	373072	20.967	ug/l	99
68) m/p-Xylenes	11.62	106	275050	41.683	ug/l	99
69) o-Xylene	11.95	106	128559	20.428	ug/l	99
70) Styrene	11.97	104	210001	19.172	ug/l	99
71) Bromoform	12.13	173	59302	19.980	ug/l #	99
73) Isopropylbenzene	12.25	105	357438	21.077	ug/l	100
74) N-amyl acetate	12.07	43	160591	20.887	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	126293	21.179	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	120882m	22.477	ug/l	
77) Bromobenzene	12.53	156	85803	20.527	ug/l	99
78) n-propylbenzene	12.59	91	420942	20.999	ug/l	100
79) 2-Chlorotoluene	12.68	91	249874	20.366	ug/l	98
80) 1,3,5-Trimethylbenzene	12.74	105	302565	21.235	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	40863	19.793	ug/l	99
82) 4-Chlorotoluene	12.78	91	261145	20.828	ug/l	99
83) tert-Butylbenzene	13.00	119	251634	20.652	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	300883	21.409	ug/l	98
85) sec-Butylbenzene	13.18	105	344850	21.228	ug/l	99
86) p-Isopropyltoluene	13.29	119	305393	21.306	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	153105	20.484	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	151241	20.211	ug/l	99
89) n-Butylbenzene	13.62	91	265916	20.195	ug/l	100
90) Hexachloroethane	13.88	117	59210	20.386	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	151588	20.635	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.28	75	26636	19.749	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	81067	19.166	ug/l	100
94) Hexachlorobutadiene	15.01	225	46084	19.354	ug/l	99
95) Naphthalene	15.13	128	226503	18.508	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	80116	19.337	ug/l	98

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

