

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112519\
 Data File : VN059383.D
 Acq On : 25 Nov 2019 15:21
 Operator : JC/SP
 Sample : VN1125WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1125WBSD01

Manual Integrations
 APPROVED

apatel
 11/26/2019 12:32:15 PM

Quant Time: Nov 25 17:23:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112019W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 21 08:44:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	208986	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	329768	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	294220	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	131127	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	172834	68.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	137.86%	
35) Dibromofluoromethane	7.57	113	138576	70.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	140.08%	
50) Toluene-d8	10.08	98	553647	70.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	140.78%	
62) 4-Bromofluorobenzene	12.40	95	190356	69.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	138.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	64635	24.158	ug/l	98
3) Chloromethane	2.04	50	78000	23.798	ug/l	100
4) Vinyl Chloride	2.17	62	84226	24.959	ug/l	99
5) Bromomethane	2.55	94	47780	25.503	ug/l	97
6) Chloroethane	2.69	64	43466	23.601	ug/l	97
7) Trichlorofluoromethane	3.00	101	85901	23.639	ug/l	97
8) Diethyl Ether	3.39	74	37277	25.092	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	56039	25.219	ug/l	99
10) Methyl Iodide	3.93	142	70024	25.356	ug/l	98
11) Tert butyl alcohol	4.74	59	60765	121.038	ug/l	100
12) 1,1-Dichloroethene	3.72	96	55200	24.473	ug/l	95
13) Acrolein	3.58	56	25645	55.959	ug/l	99
14) Allyl chloride	4.30	41	101710	24.138	ug/l	99
15) Acrylonitrile	4.95	53	164010	123.559	ug/l	99
16) Acetone	3.79	43	163742	145.638	ug/l	100
17) Carbon Disulfide	4.03	76	166208	23.587	ug/l	99
18) Methyl Acetate	4.30	43	93860	25.155	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	180609	24.792	ug/l	99
20) Methylene Chloride	4.53	84	62947	24.824	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	57263	23.955	ug/l	96
22) Diisopropyl ether	5.92	45	193506	24.391	ug/l	95
23) Vinyl Acetate	5.87	43	751620	120.478	ug/l	100
24) 1,1-Dichloroethane	5.82	63	110817	24.816	ug/l	100
25) 2-Butanone	6.81	43	221505	126.698	ug/l	97
26) 2,2-Dichloropropane	6.80	77	92573	23.941	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	64928	24.074	ug/l	100
28) Bromochloromethane	7.17	49	1886	3.339	ug/l #	74
29) Tetrahydrofuran	7.19	42	146319	121.036	ug/l	99
30) Chloroform	7.35	83	106093	24.413	ug/l	99
31) Cyclohexane	7.63	56	102648	23.249	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	88510	23.772	ug/l	99
36) 1,1-Dichloropropene	7.77	75	81716	24.003	ug/l	99
37) Ethyl Acetate	6.90	43	88886	24.294	ug/l	99
38) Carbon Tetrachloride	7.76	117	78407	24.058	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	96708	23.558	ug/l	99
40) Benzene	8.02	78	245045	24.525	ug/l	99
41) Methacrylonitrile	7.16	41	46036m	28.344	ug/l	
42) 1,2-Dichloroethane	8.10	62	80867	24.471	ug/l	99
43) Isopropyl Acetate	8.15	43	134278	24.014	ug/l	100
44) Trichloroethene	8.82	130	62664	24.746	ug/l	97
45) 1,2-Dichloropropane	9.10	63	65021	24.404	ug/l	99
46) Dibromomethane	9.19	93	40407	24.725	ug/l	98
47) Bromodichloromethane	9.39	83	80420	24.571	ug/l	99
48) Methyl methacrylate	9.19	41	57956	22.793	ug/l	96
49) 1,4-Dioxane	9.18	88	19578	512.302	ug/l	97
51) 4-Methyl-2-Pentanone	9.97	43	411872	125.843	ug/l	99
52) Toluene	10.15	92	149209	24.835	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	92965	24.434	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	100698	24.390	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	59249	25.364	ug/l	98
56) Ethyl methacrylate	10.42	69	85097	22.817	ug/l	98
57) 1,3-Dichloropropane	10.70	76	102545	25.187	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	99171	85.027	ug/l	98
59) 2-Hexanone	10.75	43	303891	126.803	ug/l	98
60) Dibromochloromethane	10.90	129	60907	24.743	ug/l	100
61) 1,2-Dibromoethane	11.00	107	60046	24.705	ug/l	98
64) Tetrachloroethene	10.63	164	56633	24.888	ug/l	98
65) Chlorobenzene	11.43	112	154939	24.491	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	57030	24.814	ug/l	100
67) Ethyl Benzene	11.51	91	276046	24.438	ug/l	99
68) m/p-Xylenes	11.62	106	204723	48.775	ug/l	100
69) o-Xylene	11.95	106	96897	24.114	ug/l	100
70) Styrene	11.96	104	150318	23.708	ug/l	98
71) Bromoform	12.13	173	42699	24.532	ug/l #	100
73) Isopropylbenzene	12.25	105	263819	24.560	ug/l	100
74) N-amyl acetate	12.07	43	97646	22.619	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	87095	24.511	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	78889m	26.041	ug/l	
77) Bromobenzene	12.53	156	63241	24.273	ug/l	98
78) n-propylbenzene	12.59	91	298765	24.554	ug/l	99
79) 2-Chlorotoluene	12.67	91	179450	24.028	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	219206	24.276	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	28188	23.273	ug/l	97
82) 4-Chlorotoluene	12.77	91	181298	23.458	ug/l	98
83) tert-Butylbenzene	12.99	119	188777	24.753	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	217566	24.596	ug/l	100
85) sec-Butylbenzene	13.17	105	251745	24.560	ug/l	99
86) p-Isopropyltoluene	13.29	119	220203	24.142	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	110439	23.802	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	108969	23.737	ug/l	99
89) n-Butylbenzene	13.62	91	187222	23.399	ug/l	99
90) Hexachloroethane	13.88	117	41160	23.828	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	109598	24.414	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	16638	22.024	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	58890	22.791	ug/l	100
94) Hexachlorobutadiene	15.01	225	40058	24.768	ug/l	99
95) Naphthalene	15.13	128	155182	21.969	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	58582	22.466	ug/l	99

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

