

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN110619\
 Data File : VN059093.D
 Acq On : 6 Nov 2019 9:17
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 11/7/2019 8:38:43 AM

Quant Time: Nov 07 03:49:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 07 03:09:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	479655	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	758181	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	668360	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	272449	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	32696	5.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.52%	
35) Dibromofluoromethane	7.57	113	23231	4.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.70%	
50) Toluene-d8	10.08	98	90929	4.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.78%	
62) 4-Bromofluorobenzene	12.40	95	29957	4.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	25404	4.937	ug/l	99
3) Chloromethane	2.04	50	34830	4.996	ug/l	100
4) Vinyl Chloride	2.17	62	33863	4.997	ug/l	97
5) Bromomethane	2.54	94	20484	5.133	ug/l	88
6) Chloroethane	2.68	64	19581	4.718	ug/l #	87
7) Trichlorofluoromethane	3.00	101	40103	4.968	ug/l	96
8) Diethyl Ether	3.38	74	16650	5.264	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.73	101	24259	5.093	ug/l	97
10) Methyl Iodide	3.92	142	25212	4.335	ug/l #	94
11) Tert butyl alcohol	4.75	59	28921	24.734	ug/l #	85
12) 1,1-Dichloroethene	3.72	96	23628	4.991	ug/l	98
13) Acrolein	3.58	56	16639	23.616	ug/l	99
14) Allyl chloride	4.29	41	45702	4.872	ug/l	96
15) Acrylonitrile	4.95	53	71532	24.293	ug/l	98
16) Acetone	3.79	43	69529	21.534	ug/l	98
17) Carbon Disulfide	4.03	76	73104	4.895	ug/l	98
18) Methyl Acetate	4.30	43	37601	4.624	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	77391	4.793	ug/l	97
20) Methylene Chloride	4.52	84	27670	4.925	ug/l	92
21) trans-1,2-Dichloroethene	5.01	96	25347	4.994	ug/l	96
22) Diisopropyl ether	5.92	45	87550	4.896	ug/l #	83
23) Vinyl Acetate	5.87	43	345694	24.333	ug/l	98
24) 1,1-Dichloroethane	5.82	63	50660	4.952	ug/l	97
25) 2-Butanone	6.81	43	96139	22.516	ug/l	99
26) 2,2-Dichloropropane	6.79	77	45337	5.114	ug/l	95
27) cis-1,2-Dichloroethene	6.81	96	28462	4.961	ug/l	99
28) Bromochloromethane	7.17	49	16991	5.417	ug/l #	97
29) Tetrahydrofuran	7.19	42	64308	23.885	ug/l	99
30) Chloroform	7.35	83	48974	5.008	ug/l	97
31) Cyclohexane	7.63	56	53056	5.460	ug/l #	87
32) 1,1,1-Trichloroethane	7.54	97	40843	4.938	ug/l	98
36) 1,1-Dichloropropene	7.77	75	35832	4.779	ug/l	99
37) Ethyl Acetate	6.90	43	39737	4.763	ug/l	98
38) Carbon Tetrachloride	7.75	117	36364	4.971	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	39895	4.617	ug/l	96
40) Benzene	8.02	78	110050	4.933	ug/l	100
41) Methacrylonitrile	7.15	41	14952m	4.123	ug/l	
42) 1,2-Dichloroethane	8.10	62	38603	4.979	ug/l	98
43) Isopropyl Acetate	8.14	43	60924	4.680	ug/l	99
44) Trichloroethene	8.82	130	27478	5.000	ug/l	100
45) 1,2-Dichloropropane	9.10	63	29350	4.860	ug/l	98
46) Dibromomethane	9.19	93	18399	4.935	ug/l	95
47) Bromodichloromethane	9.39	83	35522	4.696	ug/l	99
48) Methyl methacrylate	9.18	41	26121	4.398	ug/l	99
49) 1,4-Dioxane	9.18	88	9251	96.127	ug/l #	96
51) 4-Methyl-2-Pentanone	9.97	43	180195	23.760	ug/l	98
52) Toluene	10.14	92	64244	4.923	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	39645	4.545	ug/l	90
54) cis-1,3-Dichloropropene	9.83	75	43745	4.759	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	26642	4.993	ug/l	95
56) Ethyl methacrylate	10.42	69	34657	4.320	ug/l	96
57) 1,3-Dichloropropane	10.70	76	43683	4.715	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	68726	21.587	ug/l	99
59) 2-Hexanone	10.74	43	128668	22.333	ug/l	97
60) Dibromochloromethane	10.90	129	25563	4.462	ug/l	98
61) 1,2-Dibromoethane	11.00	107	25907	4.809	ug/l	99
64) Tetrachloroethene	10.63	164	24070	5.159	ug/l	98
65) Chlorobenzene	11.43	112	66953	4.898	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	24066	4.778	ug/l	95
67) Ethyl Benzene	11.51	91	116053	4.907	ug/l	100
68) m/p-Xylenes	11.62	106	85286	9.642	ug/l	99
69) o-Xylene	11.94	106	40722	4.825	ug/l	100
70) Styrene	11.96	104	57558	4.217	ug/l	94
71) Bromoform	12.12	173	17246	4.429	ug/l #	98
73) Isopropylbenzene	12.25	105	106999	5.351	ug/l	99
74) N-amyl acetate	12.07	43	41282	4.665	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	36162	5.076	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	36690m	5.762	ug/l	
77) Bromobenzene	12.53	156	27050	5.391	ug/l	96
78) n-propylbenzene	12.59	91	121951	5.277	ug/l	98
79) 2-Chlorotoluene	12.67	91	78050	5.439	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	89203	5.246	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	11341	4.568	ug/l	94
82) 4-Chlorotoluene	12.77	91	74215	5.063	ug/l	99
83) tert-Butylbenzene	12.99	119	76457	5.277	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	82915	5.035	ug/l	99
85) sec-Butylbenzene	13.17	105	98828	5.218	ug/l	100
86) p-Isopropyltoluene	13.29	119	86833	5.091	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	43605	4.910	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	43480	4.955	ug/l	94
89) n-Butylbenzene	13.62	91	69599	4.699	ug/l	98
90) Hexachloroethane	13.88	117	17399	5.139	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	43741	4.937	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	7974	5.191	ug/l	81

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	17914	3.771	ug/l	99
94) Hexachlorobutadiene	15.01	225	16209	5.647	ug/l	98
95) Naphthalene	15.13	128	44623	3.429	ug/l	98
96) 1,2,3-Trichlorobenzene	15.30	180	19374	3.988	ug/l	97

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

