

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091620\
 Data File : VN063358.D
 Acq On : 16 Sep 2020 11:08
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 9/17/2020 1:07:48 PM

Quant Time: Sep 16 12:31:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 16 12:15:31 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	273937	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	472696	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	417943	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	185594	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	24024	5.53	ug/l	0.00
Spiked Amount			Recovery	=	11.06%	
35) Dibromofluoromethane	7.54	113	17422	5.69	ug/l	0.00
Spiked Amount			Recovery	=	11.38%	
50) Toluene-d8	10.06	98	62914	5.36	ug/l	0.00
Spiked Amount			Recovery	=	10.72%	
62) 4-Bromofluorobenzene	12.37	95	21397	4.93	ug/l	0.00
Spiked Amount			Recovery	=	9.86%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	16266	5.986	ug/l	99
3) Chloromethane	2.03	50	21301	5.342	ug/l	99
4) Vinyl Chloride	2.16	62	18293	4.930	ug/l	90
5) Bromomethane	2.53	94	10756	4.291	ug/l	99
6) Chloroethane	2.67	64	11381	4.767	ug/l	96
7) Trichlorofluoromethane	2.98	101	27626	4.835	ug/l	100
8) Diethyl Ether	3.37	74	10437	5.016	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	3.71	101	16660	5.522	ug/l #	85
10) Methyl Iodide	3.90	142	17063	4.388	ug/l	99
11) Tert butyl alcohol	4.74	59	16314	28.056	ug/l	99
12) 1,1-Dichloroethene	3.70	96	15119	4.995	ug/l	97
13) Acrolein	3.56	56	1554m	5.826	ug/l	
14) Allyl chloride	4.27	41	32567	5.252	ug/l #	89
15) Acrylonitrile	4.93	53	40809	26.000	ug/l	99
16) Acetone	3.78	43	35377	23.760	ug/l	91
17) Carbon Disulfide	4.01	76	44099	4.713	ug/l	99
18) Methyl Acetate	4.28	43	21359	5.686	ug/l	93
19) Methyl tert-butyl Ether	4.99	73	58134	5.367	ug/l	95
20) Methylene Chloride	4.51	84	20082	5.267	ug/l	95
21) trans-1,2-Dichloroethene	4.99	96	17664	5.224	ug/l #	77
22) Diisopropyl ether	5.90	45	64164	5.293	ug/l	91
23) Vinyl Acetate	5.84	43	261698	27.276	ug/l	99
24) 1,1-Dichloroethane	5.79	63	34809	5.257	ug/l	99
25) 2-Butanone	6.79	43	56394	25.532	ug/l	94
26) 2,2-Dichloropropane	6.78	77	31247	5.399	ug/l #	75
27) cis-1,2-Dichloroethene	6.78	96	19005	4.824	ug/l	89
28) Bromochloromethane	7.14	49	17924	5.637	ug/l	97
29) Tetrahydrofuran	7.17	42	40579	28.204	ug/l	99
30) Chloroform	7.32	83	34560	5.232	ug/l	98
31) Cyclohexane	7.61	56	39490	6.493	ug/l #	85
32) 1,1,1-Trichloroethane	7.52	97	30488	5.276	ug/l	96
36) 1,1-Dichloropropene	7.75	75	26346	5.374	ug/l	96
37) Ethyl Acetate	6.88	43	25671	5.304	ug/l #	92
38) Carbon Tetrachloride	7.73	117	26452	5.450	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	28346	5.305	ug/l	98
40) Benzene	8.00	78	74424	5.324	ug/l	94
41) Methacrylonitrile	7.12	41	9695	4.401	ug/l #	100
42) 1,2-Dichloroethane	8.08	62	30025	5.605	ug/l	99
43) Isopropyl Acetate	8.13	43	42653	5.196	ug/l	95
44) Trichloroethene	8.80	130	17403	4.833	ug/l	95
45) 1,2-Dichloropropane	9.08	63	19760	5.149	ug/l	95
46) Dibromomethane	9.17	93	14138	5.651	ug/l	95
47) Bromodichloromethane	9.37	83	27410	5.276	ug/l	99
48) Methyl methacrylate	9.16	41	21921	5.557	ug/l	98
49) 1,4-Dioxane	9.17	88	6214	102.246	ug/l	89
51) 4-Methyl-2-Pentanone	9.95	43	130319	28.839	ug/l	96
52) Toluene	10.12	92	43565	5.092	ug/l	95
53) t-1,3-Dichloropropene	10.35	75	28888	5.092	ug/l	96
54) cis-1,3-Dichloropropene	9.81	75	31271	5.125	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	17327	5.171	ug/l	89
56) Ethyl methacrylate	10.40	69	26453	5.196	ug/l	98
57) 1,3-Dichloropropane	10.68	76	32627	5.569	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.66	63	70526	25.761	ug/l	96
59) 2-Hexanone	10.72	43	88279	26.507	ug/l	100
60) Dibromochloromethane	10.87	129	18732	5.084	ug/l	98
61) 1,2-Dibromoethane	10.97	107	17958	5.135	ug/l	100
64) Tetrachloroethene	10.60	164	15117	4.539	ug/l	96
65) Chlorobenzene	11.40	112	45180	5.009	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	16599	5.042	ug/l	95
67) Ethyl Benzene	11.48	91	86119	5.302	ug/l	99
68) m/p-Xylenes	11.59	106	60076	9.989	ug/l	100
69) o-Xylene	11.92	106	28363	4.927	ug/l	98
70) Styrene	11.94	104	46105	4.802	ug/l	99
71) Bromoform	12.10	173	11138	4.828	ug/l #	97
73) Isopropylbenzene	12.22	105	78380	5.236	ug/l	100
74) N-amyl acetate	12.05	43	35300	5.685	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.48	83	23817	5.493	ug/l	95
76) 1,2,3-Trichloropropane	12.53	75	24116m	5.775	ug/l	
77) Bromobenzene	12.50	156	16917	4.922	ug/l	95
78) n-propylbenzene	12.57	91	89968	5.299	ug/l	99
79) 2-Chlorotoluene	12.65	91	51211	4.906	ug/l	94
80) 1,3,5-Trimethylbenzene	12.71	105	64974	5.225	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.28	75	7835	5.092	ug/l	95
82) 4-Chlorotoluene	12.75	91	55619	5.069	ug/l	99
83) tert-Butylbenzene	12.97	119	52723	5.014	ug/l	97
84) 1,2,4-Trimethylbenzene	13.01	105	65454	5.219	ug/l	100
85) sec-Butylbenzene	13.14	105	71913	5.363	ug/l	99
86) p-Isopropyltoluene	13.26	119	61330	5.000	ug/l	98
87) 1,3-Dichlorobenzene	13.26	146	32024	5.093	ug/l	98
88) 1,4-Dichlorobenzene	13.34	146	32049	4.897	ug/l	91
89) n-Butylbenzene	13.59	91	55204	4.978	ug/l	99
90) Hexachloroethane	13.85	117	11538	5.644	ug/l	95
91) 1,2-Dichlorobenzene	13.63	146	30806	4.949	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	5587	5.628	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	17923	4.886	ug/l	98
94) Hexachlorobutadiene	14.98	225	8110	5.166	ug/l	98
95) Naphthalene	15.10	128	58184	4.866	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	16964	4.727	ug/l	98

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

