

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102720\
 Data File : VN064318.D
 Acq On : 27 Oct 2020 10:29
 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
 10/28/2020 12:35:20 PM

Quant Time: Oct 27 11:53:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 27 11:34:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	272876	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	443424	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	404402	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	178313	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	23369	5.70	ug/l	0.00
Spiked Amount			Recovery	=	11.40%	
35) Dibromofluoromethane	7.55	113	14487	4.90	ug/l	0.00
Spiked Amount			Recovery	=	9.80%	
50) Toluene-d8	10.06	98	54069	5.08	ug/l	0.00
Spiked Amount			Recovery	=	10.16%	
62) 4-Bromofluorobenzene	12.37	95	19871	4.60	ug/l	0.00
Spiked Amount			Recovery	=	9.20%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	14956	5.043	ug/l	87
3) Chloromethane	2.03	50	16920	5.391	ug/l	93
4) Vinyl Chloride	2.16	62	15874	5.063	ug/l	99
5) Bromomethane	2.52	94	11532	5.624	ug/l	100
6) Chloroethane	2.67	64	9666	5.089	ug/l	91
7) Trichlorofluoromethane	2.98	101	27479	5.326	ug/l	93
8) Diethyl Ether	3.38	74	8005	4.696	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.71	101	14497	5.445	ug/l	95
10) Methyl Iodide	3.91	142	16474	4.377	ug/l	96
11) Tert butyl alcohol	4.73	59	14662	25.952	ug/l #	87
12) 1,1-Dichloroethene	3.69	96	12997m	5.073	ug/l	
13) Acrolein	3.57	56	5577	18.484	ug/l	88
14) Allyl chloride	4.27	41	25268	4.937	ug/l	98
15) Acrylonitrile	4.94	53	31392	26.741	ug/l #	87
16) Acetone	3.78	43	36359	29.717	ug/l	98
17) Carbon Disulfide	4.01	76	37515	5.138	ug/l	97
18) Methyl Acetate	4.28	43	13966	4.617	ug/l	94
19) Methyl tert-butyl Ether	4.98	73	47073	5.228	ug/l	96
20) Methylene Chloride	4.50	84	15773	5.076	ug/l	92
21) trans-1,2-Dichloroethene	4.98	96	14956	5.301	ug/l #	76
22) Diisopropyl ether	5.90	45	50032	5.165	ug/l	95
23) Vinyl Acetate	5.84	43	209364	24.370	ug/l	99
24) 1,1-Dichloroethane	5.80	63	28050	5.052	ug/l	99
25) 2-Butanone	6.78	43	50551	26.447	ug/l	100
26) 2,2-Dichloropropane	6.78	77	28436	5.150	ug/l #	73
27) cis-1,2-Dichloroethene	6.77	96	16611m	5.030	ug/l	
28) Bromochloromethane	7.15	49	14195	5.374	ug/l	97
29) Tetrahydrofuran	7.17	42	31238	26.936	ug/l	100
30) Chloroform	7.33	83	30609	5.163	ug/l	99
31) Cyclohexane	7.61	56	28718	5.868	ug/l #	81
32) 1,1,1-Trichloroethane	7.53	97	29716	5.356	ug/l #	87
36) 1,1-Dichloropropene	7.75	75	21276	4.805	ug/l	95
37) Ethyl Acetate	6.88	43	20855	5.075	ug/l #	93
38) Carbon Tetrachloride	7.73	117	24763	4.888	ug/l	87

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	22383	5.504	ug/l	95
40) Benzene	8.00	78	62188	5.084	ug/l	94
41) Methacrylonitrile	7.14	41	11224m	5.224	ug/l	
42) 1,2-Dichloroethane	8.08	62	26934	5.105	ug/l	89
43) Isopropyl Acetate	8.13	43	37161	4.913	ug/l #	89
44) Trichloroethene	8.80	130	15829	4.743	ug/l	87
45) 1,2-Dichloropropane	9.08	63	16001	4.910	ug/l	95
46) Dibromomethane	9.17	93	10893	4.937	ug/l	93
47) Bromodichloromethane	9.37	83	24418	5.028	ug/l	97
48) Methyl methacrylate	9.16	41	18562	4.724	ug/l	95
49) 1,4-Dioxane	9.17	88	5710	118.272	ug/l #	84
51) 4-Methyl-2-Pentanone	9.95	43	100517	24.576	ug/l	98
52) Toluene	10.12	92	38607	4.945	ug/l	97
53) t-1,3-Dichloropropene	10.35	75	25506	4.750	ug/l	99
54) cis-1,3-Dichloropropene	9.80	75	25906	4.567	ug/l	95
55) 1,1,2-Trichloroethane	10.53	97	14757	4.980	ug/l	95
56) Ethyl methacrylate	10.40	69	21279	4.641	ug/l	96
57) 1,3-Dichloropropane	10.68	76	25292	4.910	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.66	63	56708	24.100	ug/l	96
59) 2-Hexanone	10.72	43	73017	24.361	ug/l	99
60) Dibromochloromethane	10.87	129	16294	4.252	ug/l	97
61) 1,2-Dibromoethane	10.97	107	14657	4.675	ug/l	95
64) Tetrachloroethene	10.60	164	17276	5.290	ug/l	92
65) Chlorobenzene	11.40	112	39766	4.770	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	14835	4.482	ug/l	95
67) Ethyl Benzene	11.48	91	71888	4.682	ug/l	100
68) m/p-Xylenes	11.59	106	53344	9.371	ug/l	95
69) o-Xylene	11.92	106	26420	4.831	ug/l	96
70) Styrene	11.94	104	40979	4.451	ug/l	95
71) Bromoform	12.10	173	12006	4.685	ug/l #	94
73) Isopropylbenzene	12.22	105	67722	5.008	ug/l	97
74) N-amyl acetate	12.05	43	27766	4.718	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.48	83	19836	5.453	ug/l	94
76) 1,2,3-Trichloropropane	12.53	75	19705m	5.086	ug/l	
77) Bromobenzene	12.50	156	16687	5.188	ug/l	99
78) n-propylbenzene	12.56	91	75072	4.907	ug/l	100
79) 2-Chlorotoluene	12.65	91	48714	5.182	ug/l	97
80) 1,3,5-Trimethylbenzene	12.70	105	56649	4.948	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	6380	4.248	ug/l #	82
82) 4-Chlorotoluene	12.75	91	49075	5.009	ug/l	96
83) tert-Butylbenzene	12.96	119	46272	4.934	ug/l	96
84) 1,2,4-Trimethylbenzene	13.01	105	56476	4.947	ug/l	100
85) sec-Butylbenzene	13.14	105	59645	5.046	ug/l	98
86) p-Isopropyltoluene	13.26	119	55121	5.115	ug/l	96
87) 1,3-Dichlorobenzene	13.26	146	29764	5.223	ug/l	97
88) 1,4-Dichlorobenzene	13.34	146	29729	5.109	ug/l	93
89) n-Butylbenzene	13.59	91	48699	5.077	ug/l	96
90) Hexachloroethane	13.85	117	10432	5.250	ug/l	94
91) 1,2-Dichlorobenzene	13.62	146	26938	4.828	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.24	75	4385	4.801	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	12261	3.948	ug/l	90
94) Hexachlorobutadiene	14.98	225	8926	5.306	ug/l	98
95) Naphthalene	15.10	128	32920	3.530	ug/l	98
96) 1,2,3-Trichlorobenzene	15.28	180	10770	3.501	ug/l	80

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

