

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102720\
 Data File : VN064319.D
 Acq On : 27 Oct 2020 10:53
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 10/28/2020 12:35:25 PM

Quant Time: Oct 27 11:51:11 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	262059	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	434418	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	398180	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	184964	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	79659	20.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.48%	
35) Dibromofluoromethane	7.55	113	52918	18.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.52%	
50) Toluene-d8	10.06	98	194660	18.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.34%	
62) 4-Bromofluorobenzene	12.38	95	74501	17.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	35.24%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.83	85	56297	19.768	ug/l	96
3) Chloromethane	2.04	50	56784	18.838	ug/l	100
4) Vinyl Chloride	2.16	62	56449	18.747	ug/l	98
5) Bromomethane	2.53	94	38581	19.593	ug/l	98
6) Chloroethane	2.67	64	34222	18.763	ug/l	96
7) Trichlorofluoromethane	2.98	101	99354	20.052	ug/l	97
8) Diethyl Ether	3.37	74	30878	18.862	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.72	101	48664	19.033	ug/l	98
10) Methyl Iodide	3.91	142	62822	17.379	ug/l	99
11) Tert butyl alcohol	4.73	59	58928	108.608	ug/l	98
12) 1,1-Dichloroethene	3.69	96	45116	18.336	ug/l	86
13) Acrolein	3.57	56	9524	32.869	ug/l	90
14) Allyl chloride	4.28	41	90772	18.468	ug/l	99
15) Acrylonitrile	4.93	53	124733	110.639	ug/l	99
16) Acetone	3.78	43	142041	120.885	ug/l	96
17) Carbon Disulfide	4.01	76	129252	18.433	ug/l	98
18) Methyl Acetate	4.28	43	56582	19.475	ug/l	96
19) Methyl tert-butyl Ether	4.99	73	178286	20.616	ug/l	97
20) Methylene Chloride	4.51	84	53610	17.964	ug/l	97
21) trans-1,2-Dichloroethene	4.99	96	50041	18.468	ug/l	99
22) Diisopropyl ether	5.90	45	183610	19.736	ug/l	97
23) Vinyl Acetate	5.84	43	811112	98.311	ug/l	100
24) 1,1-Dichloroethane	5.80	63	100003	18.755	ug/l	98
25) 2-Butanone	6.78	43	196950	107.294	ug/l	98
26) 2,2-Dichloropropane	6.78	77	99471	18.759	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	59194	18.665	ug/l	98
28) Bromochloromethane	7.15	49	48811	19.242	ug/l	95
29) Tetrahydrofuran	7.17	42	127230	114.238	ug/l	99
30) Chloroform	7.33	83	109595	19.249	ug/l	96
31) Cyclohexane	7.61	56	89838	19.116	ug/l	95
32) 1,1,1-Trichloroethane	7.53	97	103050	19.341	ug/l	97
36) 1,1-Dichloropropene	7.75	75	81314	18.744	ug/l	96
37) Ethyl Acetate	6.88	43	82311	20.445	ug/l	98
38) Carbon Tetrachloride	7.73	117	92057	18.548	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102720\
 Data File : VN064319.D
 Acq On : 27 Oct 2020 10:53
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 10/28/2020 12:35:25 PM

Quant Time: Oct 27 11:51:11 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)
39) Methylcyclohexane	9.05	83	77844	19.540	ug/l	94
40) Benzene	8.00	78	214264	17.881	ug/l	99
41) Methacrylonitrile	7.13	41	42697	20.283	ug/l	92
42) 1,2-Dichloroethane	8.08	62	97622	18.888	ug/l	98
43) Isopropyl Acetate	8.13	43	135686	18.310	ug/l #	93
44) Trichloroethene	8.80	130	59514	18.203	ug/l	99
45) 1,2-Dichloropropane	9.09	63	59453	18.621	ug/l	95
46) Dibromomethane	9.17	93	41959	19.412	ug/l	99
47) Bromodichloromethane	9.37	83	88088	18.513	ug/l	99
48) Methyl methacrylate	9.16	41	69046	17.936	ug/l	98
49) 1,4-Dioxane	9.17	88	23120	488.816	ug/l	91
51) 4-Methyl-2-Pentanone	9.95	43	409361	102.161	ug/l	99
52) Toluene	10.13	92	134307	17.559	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	94628	17.988	ug/l	93
54) cis-1,3-Dichloropropene	9.80	75	99061	17.824	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	54644	18.824	ug/l	96
56) Ethyl methacrylate	10.40	69	84917	18.903	ug/l	98
57) 1,3-Dichloropropane	10.68	76	94117	18.651	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	223297	96.864	ug/l	100
59) 2-Hexanone	10.72	43	302924	103.163	ug/l	99
60) Dibromochloromethane	10.87	129	63625	16.948	ug/l	100
61) 1,2-Dibromoethane	10.97	107	58477	19.039	ug/l	99
64) Tetrachloroethene	10.60	164	58246	18.114	ug/l	94
65) Chlorobenzene	11.41	112	145363	17.709	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	58433	17.931	ug/l	96
67) Ethyl Benzene	11.48	91	271137	17.936	ug/l	99
68) m/p-Xylenes	11.59	106	201603	35.968	ug/l	96
69) o-Xylene	11.92	106	94421	17.535	ug/l	100
70) Styrene	11.94	104	160295	17.681	ug/l	99
71) Bromoform	12.10	173	45377	17.984	ug/l #	99
73) Isopropylbenzene	12.22	105	253623	18.081	ug/l	99
74) N-amyl acetate	12.04	43	114465	18.752	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	74150	19.651	ug/l	98
76) 1,2,3-Trichloropropane	12.53	75	79636m	19.816	ug/l	
77) Bromobenzene	12.50	156	60666	18.181	ug/l	95
78) n-propylbenzene	12.57	91	290099	18.279	ug/l	100
79) 2-Chlorotoluene	12.65	91	183415	18.809	ug/l	97
80) 1,3,5-Trimethylbenzene	12.71	105	216214	18.207	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	27382	17.575	ug/l	91
82) 4-Chlorotoluene	12.75	91	184087	18.113	ug/l	100
83) tert-Butylbenzene	12.97	119	179129	18.415	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	217050	18.328	ug/l	99
85) sec-Butylbenzene	13.14	105	226081	18.440	ug/l	100
86) p-Isopropyltoluene	13.26	119	205467	18.379	ug/l	98
87) 1,3-Dichlorobenzene	13.26	146	104911	17.747	ug/l	100
88) 1,4-Dichlorobenzene	13.33	146	107586	17.823	ug/l	98
89) n-Butylbenzene	13.59	91	180062	18.095	ug/l	98
90) Hexachloroethane	13.85	117	37857	18.366	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	105391	18.211	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.24	75	19258	20.327	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102720\
Data File : VN064319.D
Acq On : 27 Oct 2020 10:53
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

MMDadoda
10/28/2020 12:35:25 PM

Quant Time: Oct 27 11:51:11 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)
93) 1,2,4-Trichlorobenzene	14.88	180	57876	17.967	ug/l	99
94) Hexachlorobutadiene	14.98	225	31903	18.284	ug/l	98
95) Naphthalene	15.10	128	179192	18.523	ug/l	98
96) 1,2,3-Trichlorobenzene	15.28	180	55682	17.450	ug/l	95

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

