

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111820\
 Data File : VN064702.D
 Acq On : 18 Nov 2020 12:37
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 11/19/2020 2:10:01 PM

Quant Time: Nov 18 13:59:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 18 13:40:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	276322	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	491299	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	449828	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	204515	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	85238	17.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	35.38%	
35) Dibromofluoromethane	7.55	113	51470	15.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	31.74%	
50) Toluene-d8	10.06	98	214133	16.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	33.20%	
62) 4-Bromofluorobenzene	12.37	95	76839	15.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	31.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	65843	18.716	ug/l	97
3) Chloromethane	2.04	50	71071	16.800	ug/l	100
4) Vinyl Chloride	2.17	62	74741	17.155	ug/l	99
5) Bromomethane	2.54	94	57200	20.197	ug/l	98
6) Chloroethane	2.68	64	51183	18.108	ug/l	99
7) Trichlorofluoromethane	2.99	101	137453	20.760	ug/l	98
8) Diethyl Ether	3.37	74	45480	19.705	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.72	101	59389	19.117	ug/l	98
10) Methyl Iodide	3.91	142	69520	19.231	ug/l	98
11) Tert butyl alcohol	4.74	59	45825	89.790	ug/l #	90
12) 1,1-Dichloroethene	3.70	96	55748	19.070	ug/l	94
13) Acrolein	3.56	56	12787	44.404	ug/l	95
14) Allyl chloride	4.28	41	95037	16.924	ug/l	98
15) Acrylonitrile	4.93	53	132217	92.107	ug/l	99
16) Acetone	3.78	43	102921	60.683	ug/l	97
17) Carbon Disulfide	4.01	76	164353	18.910	ug/l	98
18) Methyl Acetate	4.28	43	65725	18.458	ug/l	100
19) Methyl tert-butyl Ether	4.99	73	190226	18.177	ug/l	99
20) Methylene Chloride	4.50	84	67037	18.607	ug/l	95
21) trans-1,2-Dichloroethene	4.99	96	63522	19.199	ug/l	94
22) Diisopropyl ether	5.90	45	209834	17.627	ug/l	94
23) Vinyl Acetate	5.85	43	852784	88.439	ug/l	99
24) 1,1-Dichloroethane	5.80	63	123470	18.695	ug/l	97
25) 2-Butanone	6.79	43	177152	79.757	ug/l	99
26) 2,2-Dichloropropane	6.77	77	115337	19.086	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	69830	18.292	ug/l	99
28) Bromochloromethane	7.15	49	62072	18.593	ug/l	100
29) Tetrahydrofuran	7.17	42	118340	84.962	ug/l	99
30) Chloroform	7.33	83	132984	19.055	ug/l	97
31) Cyclohexane	7.61	56	96066	17.004	ug/l	91
32) 1,1,1-Trichloroethane	7.52	97	118230	19.014	ug/l	99
36) 1,1-Dichloropropene	7.75	75	93576	18.351	ug/l	99
37) Ethyl Acetate	6.88	43	77192	17.210	ug/l	97
38) Carbon Tetrachloride	7.74	117	101437	18.477	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	79421	17.454	ug/l	97
40) Benzene	8.00	78	270212	18.063	ug/l	99
41) Methacrylonitrile	7.13	41	38984	17.187	ug/l	97
42) 1,2-Dichloroethane	8.08	62	117686	19.363	ug/l	98
43) Isopropyl Acetate	8.13	43	148847	18.072	ug/l	100
44) Trichloroethene	8.80	130	76156	19.948	ug/l	98
45) 1,2-Dichloropropane	9.08	63	72674	18.257	ug/l	100
46) Dibromomethane	9.17	93	50500	18.967	ug/l	98
47) Bromodichloromethane	9.37	83	104031	18.271	ug/l	98
48) Methyl methacrylate	9.16	41	71892	17.339	ug/l	100
49) 1,4-Dioxane	9.17	88	18318	340.240	ug/l	96
51) 4-Methyl-2-Pentanone	9.95	43	432331	90.514	ug/l	99
52) Toluene	10.12	92	163850	17.935	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	110303	18.363	ug/l	100
54) cis-1,3-Dichloropropene	9.80	75	120172	18.809	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	67016	18.712	ug/l	95
56) Ethyl methacrylate	10.40	69	89202	17.278	ug/l	98
57) 1,3-Dichloropropane	10.68	76	114672	18.407	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.66	63	259061	99.554	ug/l	100
59) 2-Hexanone	10.72	43	305239	88.431	ug/l	100
60) Dibromochloromethane	10.87	129	76041	18.973	ug/l	99
61) 1,2-Dibromoethane	10.98	107	69672	19.153	ug/l	100
64) Tetrachloroethene	10.60	164	78246	22.228	ug/l	98
65) Chlorobenzene	11.40	112	178257	18.305	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	67126	18.543	ug/l	99
67) Ethyl Benzene	11.48	91	313939	18.248	ug/l	99
68) m/p-Xylenes	11.59	106	234761	37.513	ug/l	98
69) o-Xylene	11.92	106	108930	18.037	ug/l	99
70) Styrene	11.94	104	188565	18.522	ug/l	98
71) Bromoform	12.10	173	47281	19.387	ug/l #	100
73) Isopropylbenzene	12.22	105	283769	17.925	ug/l	99
74) N-amyl acetate	12.04	43	132067	19.105	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	78448	16.272	ug/l	99
76) 1,2,3-Trichloropropane	12.52	75	81678m	16.906	ug/l	
77) Bromobenzene	12.50	156	70988	18.236	ug/l	98
78) n-propylbenzene	12.56	91	332308	18.374	ug/l	100
79) 2-Chlorotoluene	12.65	91	210733	18.293	ug/l	100
80) 1,3,5-Trimethylbenzene	12.70	105	240913	18.369	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.27	75	30588	17.778	ug/l #	86
82) 4-Chlorotoluene	12.75	91	224054	18.585	ug/l	99
83) tert-Butylbenzene	12.97	119	186797	18.201	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	248366	18.875	ug/l	99
85) sec-Butylbenzene	13.14	105	247030	18.996	ug/l	99
86) p-Isopropyltoluene	13.26	119	224483	19.134	ug/l	98
87) 1,3-Dichlorobenzene	13.25	146	123318	18.272	ug/l	98
88) 1,4-Dichlorobenzene	13.33	146	128755	18.451	ug/l	99
89) n-Butylbenzene	13.59	91	196856	19.389	ug/l	99
90) Hexachloroethane	13.85	117	35705	16.126	ug/l	100
91) 1,2-Dichlorobenzene	13.62	146	122985	19.000	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.24	75	20709	21.049	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	62460	23.023	ug/l	97
94) Hexachlorobutadiene	14.98	225	28730	21.456	ug/l	99
95) Naphthalene	15.10	128	209025	23.375	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	62447	23.064	ug/l	98

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

