

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051921\
 Data File : VX022081.D
 Acq On : 19 May 2021 11:53
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 5/21/2021 1:49:55 PM

Quant Time: May 19 12:48:15 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051921W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 19 12:45:56 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.562	168	90565	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	176058	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	158004	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	68960	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	26750	18.36	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	36.72%#		
35) Dibromofluoromethane	5.397	113	21277	17.99	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	35.98%#		
50) Toluene-d8	8.653	98	80319	17.82	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	35.64%#		
62) 4-Bromofluorobenzene	11.085	95	28588	16.24	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	32.48%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	20490	17.31	ug/l	99
3) Chloromethane	1.294	50	21959	15.65	ug/l	98
4) Vinyl Chloride	1.373	62	22945	14.31	ug/l	98
5) Bromomethane	1.611	94	13309	21.08	ug/l	98
6) Chloroethane	1.690	64	15378	18.24	ug/l	98
7) Trichlorofluoromethane	1.892	101	32898	14.84	ug/l	98
8) Diethyl Ether	2.135	74	14333	15.32	ug/l	84
9) 1,1,2-Trichlorotrifluo...	2.331	101	19719	17.04	ug/l	94
10) Methyl Iodide	2.459	142	19821	14.90	ug/l	96
11) Tert butyl alcohol	2.989	59	29921	77.71	ug/l	98
12) 1,1-Dichloroethene	2.324	96	19591	16.17	ug/l	98
13) Acrolein	2.239	56	18400	88.78	ug/l	95
14) Allyl chloride	2.666	41	35372	15.97	ug/l	97
15) Acrylonitrile	3.068	53	59309	80.88	ug/l	99
16) Acetone	2.392	43	55177	83.56	ug/l	97
17) Carbon Disulfide	2.513	76	47904	14.50	ug/l	98
18) Methyl Acetate	2.709	43	29348	16.10	ug/l	95
19) Methyl tert-butyl Ether	3.117	73	65828	16.87	ug/l	100
20) Methylene Chloride	2.794	84	23569	14.98	ug/l #	91
21) trans-1,2-Dichloroethene	3.099	96	21092	16.32	ug/l	97
22) Diisopropyl ether	3.769	45	67538	16.35	ug/l #	94
23) Vinyl Acetate	3.727	43	325886	80.62	ug/l	97
24) 1,1-Dichloroethane	3.617	63	39521	16.57	ug/l	97
25) 2-Butanone	4.568	43	92399	81.90	ug/l	94
26) 2,2-Dichloropropane	4.483	77	35617	16.69	ug/l	100
27) cis-1,2-Dichloroethene	4.501	96	25488	16.60	ug/l	100
28) Bromochloromethane	4.909	49	18931	17.39	ug/l	85
29) Tetrahydrofuran	5.019	42	53022	79.37	ug/l	94
30) Chloroform	5.104	83	41210	16.91	ug/l	97
31) Cyclohexane	5.476	56	31277	16.14	ug/l	98
32) 1,1,1-Trichloroethane	5.391	97	35937	16.83	ug/l	99
36) 1,1-Dichloropropene	5.702	75	29733	16.07	ug/l	99
37) Ethyl Acetate	4.720	43	36677	16.57	ug/l	96
38) Carbon Tetrachloride	5.690	117	29397	15.93	ug/l	98
39) Methylcyclohexane	7.385	83	33718	16.34	ug/l	97
40) Benzene	6.043	78	92597	16.68	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	18789	15.65	ug/l	97
42) 1,2-Dichloroethane	6.098	62	31888	16.72	ug/l	99
43) Isopropyl Acetate	6.348	43	58993	15.76	ug/l	95
44) Trichloroethene	7.135	130	23342	17.25	ug/l	98
45) 1,2-Dichloropropane	7.433	63	23906	16.39	ug/l	95
46) Dibromomethane	7.586	93	16110	16.27	ug/l	89
47) Bromodichloromethane	7.830	83	31292	15.75	ug/l	96
48) Methyl methacrylate	7.695	41	27479	15.94	ug/l	93
49) 1,4-Dioxane	7.683	88	11545	320.16	ug/l	98
51) 4-Methyl-2-Pentanone	8.579	43	183842	79.15	ug/l	92
52) Toluene	8.726	92	58186	16.44	ug/l	97
53) t-1,3-Dichloropropene	8.982	75	35621	15.45	ug/l	99
54) cis-1,3-Dichloropropene	8.372	75	39090	16.17	ug/l	94
55) 1,1,2-Trichloroethane	9.159	97	23927	16.84	ug/l	98
56) Ethyl methacrylate	9.122	69	37581	15.12	ug/l #	89
57) 1,3-Dichloropropane	9.311	76	40898	16.89	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	102494	84.33	ug/l	99
59) 2-Hexanone	9.433	43	140292	78.79	ug/l	91
60) Dibromochloromethane	9.524	129	22740	14.96	ug/l	98
61) 1,2-Dibromoethane	9.616	107	24111	16.34	ug/l	100
64) Tetrachloroethene	9.281	164	19891	19.29	ug/l	92
65) Chlorobenzene	10.085	112	61302	16.94	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.165	131	21642	16.27	ug/l	99
67) Ethyl Benzene	10.201	91	111376	16.72	ug/l	98
68) m/p-Xylenes	10.305	106	84376	33.31	ug/l	100
69) o-Xylene	10.646	106	42016	16.55	ug/l	98
70) Styrene	10.658	104	68268	16.31	ug/l	98
71) Bromoform	10.805	173	14856	14.89	ug/l #	98
73) Isopropylbenzene	10.963	105	110680	17.89	ug/l	98
74) N-amyl acetate	10.847	43	51069	15.63	ug/l	92
75) 1,1,2,2-Tetrachloroethane	11.213	83	36554	16.10	ug/l	98
76) 1,2,3-Trichloropropane	11.244	75	32520m	16.86	ug/l	
77) Bromobenzene	11.201	156	23077	17.33	ug/l	90
78) n-propylbenzene	11.311	91	125386	17.13	ug/l	100
79) 2-Chlorotoluene	11.366	91	76616	17.30	ug/l	100
80) 1,3,5-Trimethylbenzene	11.457	105	91273	17.26	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.024	75	12612	15.27	ug/l	99
82) 4-Chlorotoluene	11.457	91	86077	16.90	ug/l	98
83) tert-Butylbenzene	11.719	119	86772	16.93	ug/l	94
84) 1,2,4-Trimethylbenzene	11.756	105	92609	17.44	ug/l	99
85) sec-Butylbenzene	11.896	105	111454	17.64	ug/l	97
86) p-Isopropyltoluene	12.012	119	93296	17.40	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	44536	17.67	ug/l	96
88) 1,4-Dichlorobenzene	12.042	146	44224	17.04	ug/l	95
89) n-Butylbenzene	12.335	91	84272	17.06	ug/l	98
90) Hexachloroethane	12.542	117	14970	15.46	ug/l	78
91) 1,2-Dichlorobenzene	12.341	146	43810	17.70	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.945	75	7765	14.27	ug/l	84
93) 1,2,4-Trichlorobenzene	13.591	180	23964	16.04	ug/l	96
94) Hexachlorobutadiene	13.725	225	9731	16.72	ug/l	98
95) Naphthalene	13.780	128	99848	16.47	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	25963	17.18	ug/l	95

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

