

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012521\
 Data File : VX020717.D
 Acq On : 25 Jan 2021 11:02
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 1/27/2021 1:15:49 PM

Quant Time: Jan 25 11:59:39 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X012521W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 25 11:57:14 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.629	168	320676	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.824	114	515664	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.092	117	482502	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.061	152	241006	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.025	65	78210	17.88	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	35.76%#
35) Dibromofluoromethane	5.465	113	64802	18.24	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	36.48%#
50) Toluene-d8	8.696	98	234286	18.32	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	36.64%#
62) 4-Bromofluorobenzene	11.122	95	89415	18.32	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	36.64%#

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.185	85	91617	20.66	ug/l 97
3) Chloromethane	1.313	50	85939	19.38	ug/l 100
4) Vinyl Chloride	1.392	62	84714	18.71	ug/l 99
5) Bromomethane	1.624	94	47994	23.14	ug/l 98
6) Chloroethane	1.709	64	48914	15.45	ug/l 99
7) Trichlorofluoromethane	1.916	101	114330	17.67	ug/l 100
8) Diethyl Ether	2.166	74	39423	17.18	ug/l 92
9) 1,1,2-Trichlorotrifluo...	2.368	101	56945	16.44	ug/l 99
10) Methyl Iodide	2.489	142	72089	15.39	ug/l 91
11) Tert butyl alcohol	3.014	59	70729	88.90	ug/l 98
12) 1,1-Dichloroethene	2.355	96	56890	16.84	ug/l 95
13) Acrolein	2.270	56	55947	114.38	ug/l 99
14) Allyl chloride	2.703	41	104951	19.87	ug/l 93
15) Acrylonitrile	3.111	53	189322	96.80	ug/l 99
16) Acetone	2.416	43	145148	85.68	ug/l 98
17) Carbon Disulfide	2.550	76	175237	17.94	ug/l 99
18) Methyl Acetate	2.746	43	78834	19.88	ug/l 99
19) Methyl tert-butyl Ether	3.166	73	214459	18.85	ug/l 98
20) Methylene Chloride	2.831	84	76043	18.32	ug/l 95
21) trans-1,2-Dichloroethene	3.142	96	68433	17.88	ug/l 96
22) Diisopropyl ether	3.825	45	215674	20.50	ug/l 99
23) Vinyl Acetate	3.782	43	871213	97.77	ug/l 98
24) 1,1-Dichloroethane	3.672	63	127536	18.89	ug/l 100
25) 2-Butanone	4.635	43	238911	95.41	ug/l 100
26) 2,2-Dichloropropane	4.550	77	100846	17.76	ug/l 98
27) cis-1,2-Dichloroethene	4.562	96	78584	18.16	ug/l 99
28) Bromochloromethane	4.977	49	51822	18.47	ug/l 96
29) Tetrahydrofuran	5.087	42	156646	99.79	ug/l 96
30) Chloroform	5.172	83	132322	18.45	ug/l 98
31) Cyclohexane	5.544	56	105608	18.33	ug/l 99
32) 1,1,1-Trichloroethane	5.458	97	113947	18.08	ug/l 99
36) 1,1-Dichloropropene	5.763	75	93912	18.15	ug/l 99
37) Ethyl Acetate	4.794	43	89840	18.68	ug/l 99
38) Carbon Tetrachloride	5.751	117	102212	18.46	ug/l 99
39) Methylcyclohexane	7.440	83	105777	17.97	ug/l 98
40) Benzene	6.111	78	287123	18.83	ug/l 98
41) Methacrylonitrile	5.001	41	51233	19.58	ug/l 98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 1,2-Dichloroethane	6.160	62	103773	18.27	ug/l	98
43) Isopropyl Acetate	6.410	43	141107	18.92	ug/l	98
44) Trichloroethene	7.190	130	73538	17.83	ug/l	98
45) 1,2-Dichloropropane	7.489	63	75944	19.70	ug/l	95
46) Dibromomethane	7.635	93	50141	18.19	ug/l	97
47) Bromodichloromethane	7.873	83	105081	18.82	ug/l	97
48) Methyl methacrylate	7.745	41	73189	19.73	ug/l	96
49) 1,4-Dioxane	7.714	88	35526	416.63	ug/l	97
51) 4-Methyl-2-Pentanone	8.616	43	471338	100.48	ug/l	98
52) Toluene	8.763	92	179529	19.15	ug/l	100
53) t-1,3-Dichloropropene	9.019	75	106257	18.62	ug/l	99
54) cis-1,3-Dichloropropene	8.415	75	117778	18.75	ug/l	96
55) 1,1,2-Trichloroethane	9.196	97	75510	19.04	ug/l	94
56) Ethyl methacrylate	9.159	69	99888	19.14	ug/l	98
57) 1,3-Dichloropropane	9.348	76	125300	19.12	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.287	63	265036	93.18	ug/l	99
59) 2-Hexanone	9.470	43	351635	100.18	ug/l	98
60) Dibromochloromethane	9.561	129	82226	19.17	ug/l	99
61) 1,2-Dibromoethane	9.653	107	76620	18.81	ug/l	100
64) Tetrachloroethene	9.318	164	73223	19.01	ug/l	95
65) Chlorobenzene	10.122	112	194199	18.58	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.202	131	71275	18.10	ug/l	98
67) Ethyl Benzene	10.232	91	336725	18.96	ug/l	99
68) m/p-Xylenes	10.342	106	256458	38.84	ug/l	98
69) o-Xylene	10.683	106	119954	18.94	ug/l	97
70) Styrene	10.695	104	207869	19.66	ug/l	99
71) Bromoform	10.842	173	57624	18.67	ug/l #	99
73) Isopropylbenzene	11.000	105	330190	19.33	ug/l	99
74) N-ethyl acetate	10.878	43	119153	19.44	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.250	83	113544	18.68	ug/l	100
76) 1,2,3-Trichloropropane	11.281	75	108060m	18.78	ug/l	
77) Bromobenzene	11.238	156	82623	18.98	ug/l	99
78) n-propylbenzene	11.342	91	377037	19.27	ug/l	99
79) 2-Chlorotoluene	11.403	91	232813	19.32	ug/l	98
80) 1,3,5-Trimethylbenzene	11.488	105	284921	19.89	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.055	75	34916	17.54	ug/l	97
82) 4-Chlorotoluene	11.494	91	271471	19.06	ug/l	98
83) tert-Butylbenzene	11.756	119	265867	19.07	ug/l	96
84) 1,2,4-Trimethylbenzene	11.787	105	289271	19.88	ug/l	98
85) sec-Butylbenzene	11.927	105	314148	19.45	ug/l	100
86) p-Isopropyltoluene	12.049	119	294177	19.72	ug/l	98
87) 1,3-Dichlorobenzene	12.006	146	151074	18.87	ug/l	99
88) 1,4-Dichlorobenzene	12.079	146	149322	18.41	ug/l	97
89) n-Butylbenzene	12.372	91	248367	18.96	ug/l	98
90) Hexachloroethane	12.579	117	49669	18.35	ug/l	96
91) 1,2-Dichlorobenzene	12.372	146	145572	18.66	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.982	75	23236	17.38	ug/l	90
93) 1,2,4-Trichlorobenzene	13.628	180	86549	17.53	ug/l	98
94) Hexachlorobutadiene	13.762	225	40006	16.81	ug/l	96
95) Naphthalene	13.817	128	280015	18.67	ug/l	100
96) 1,2,3-Trichlorobenzene	14.000	180	87846	17.96	ug/l	98

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