

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012521\
 Data File : VX020716.D
 Acq On : 25 Jan 2021 10:39
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 1/27/2021 1:15:43 PM

Quant Time: Jan 25 11:58:53 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	5.623	168	305025	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.824	114	493291	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.092	117	464287	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.061	152	237684	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.025	65	23220	5.58	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	11.16%#
35) Dibromofluoromethane	5.458	113	18194	5.35	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	10.70%#
50) Toluene-d8	8.695	98	67378	5.51	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	11.02%#
62) 4-Bromofluorobenzene	11.116	95	24792	5.31	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	10.62%#

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.185	85	17190	4.08	ug/l	98
3) Chloromethane	1.313	50	19951	4.73	ug/l	99
4) Vinyl Chloride	1.392	62	20406	4.74	ug/l	96
5) Bromomethane	1.624	94	10520	5.33	ug/l	93
6) Chloroethane	1.703	64	12283	4.08	ug/l	98
7) Trichlorofluoromethane	1.910	101	29832	4.85	ug/l	96
8) Diethyl Ether	2.166	74	10902	4.99	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.361	101	15044	4.56	ug/l	99
10) Methyl Iodide	2.483	142	17944	4.03	ug/l	96
11) Tert butyl alcohol	3.014	59	19756	26.10	ug/l	100
12) 1,1-Dichloroethene	2.355	96	14891	4.64	ug/l	93
13) Acrolein	2.270	56	11559	24.84	ug/l	96
14) Allyl chloride	2.703	41	27668	5.51	ug/l	92
15) Acrylonitrile	3.111	53	48740	26.20	ug/l	98
16) Acetone	2.416	43	38255	23.74	ug/l	99
17) Carbon Disulfide	2.544	76	45812	4.93	ug/l	99
18) Methyl Acetate	2.745	43	19750	5.24	ug/l	100
19) Methyl tert-butyl Ether	3.166	73	54177	5.01	ug/l	97
20) Methylene Chloride	2.831	84	20838	5.28	ug/l	93
21) trans-1,2-Dichloroethene	3.142	96	18317	5.03	ug/l	96
22) Diisopropyl ether	3.818	45	54844	5.48	ug/l	97
23) Vinyl Acetate	3.782	43	217494	25.66	ug/l	98
24) 1,1-Dichloroethane	3.666	63	34378	5.35	ug/l	95
25) 2-Butanone	4.629	43	60805	25.53	ug/l	98
26) 2,2-Dichloropropane	4.544	77	26349	4.88	ug/l	100
27) cis-1,2-Dichloroethene	4.562	96	20553	4.99	ug/l	95
28) Bromochloromethane	4.977	49	15716	5.89	ug/l	92
29) Tetrahydrofuran	5.086	42	38321	25.67	ug/l	95
30) Chloroform	5.166	83	36156	5.30	ug/l	97
31) Cyclohexane	5.538	56	26786	4.89	ug/l	96
32) 1,1,1-Trichloroethane	5.452	97	30707	5.12	ug/l	100
36) 1,1-Dichloropropene	5.763	75	25630	5.18	ug/l	99
37) Ethyl Acetate	4.788	43	21891	4.76	ug/l	98
38) Carbon Tetrachloride	5.751	117	27293	5.15	ug/l	94
39) Methylcyclohexane	7.427	83	27974	4.97	ug/l	97
40) Benzene	6.104	78	77598	5.32	ug/l	99
41) Methacrylonitrile	5.001	41	13096	5.23	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 1,2-Dichloroethane	6.153	62	27784	5.11	ug/l	99
43) Isopropyl Acetate	6.403	43	36919	5.17	ug/l	97
44) Trichloroethene	7.184	130	20439	5.18	ug/l	100
45) 1,2-Dichloropropane	7.488	63	20590	5.58	ug/l	97
46) Dibromomethane	7.635	93	13551	5.14	ug/l	99
47) Bromodichloromethane	7.872	83	28440	5.33	ug/l	92
48) Methyl methacrylate	7.744	41	18413	5.19	ug/l	96
49) 1,4-Dioxane	7.714	88	8895	109.05	ug/l	93
51) 4-Methyl-2-Pentanone	8.616	43	116622	25.99	ug/l	96
52) Toluene	8.763	92	48100	5.36	ug/l	98
53) t-1,3-Dichloropropene	9.019	75	27488	5.03	ug/l	94
54) cis-1,3-Dichloropropene	8.409	75	30487	5.07	ug/l	97
55) 1,1,2-Trichloroethane	9.195	97	19766	5.21	ug/l	97
56) Ethyl methacrylate	9.153	69	24279	4.86	ug/l	96
57) 1,3-Dichloropropane	9.348	76	33938	5.41	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.287	63	65830	24.19	ug/l	100
59) 2-Hexanone	9.470	43	84027	25.03	ug/l	95
60) Dibromochloromethane	9.561	129	21355	5.21	ug/l	98
61) 1,2-Dibromoethane	9.653	107	19742	5.07	ug/l	98
64) Tetrachloroethene	9.317	164	20146	5.44	ug/l	93
65) Chlorobenzene	10.116	112	52478	5.22	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.201	131	19830	5.23	ug/l	98
67) Ethyl Benzene	10.232	91	86770	5.08	ug/l	99
68) m/p-Xylenes	10.342	106	65354	10.29	ug/l	99
69) o-Xylene	10.683	106	30011	4.92	ug/l	97
70) Styrene	10.695	104	50428	4.96	ug/l	99
71) Bromoform	10.835	173	14646	4.93	ug/l #	93
73) Isopropylbenzene	11.000	105	83158	4.94	ug/l	99
74) N-ethyl acetate	10.878	43	28539	4.72	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.250	83	29905	4.99	ug/l	98
76) 1,2,3-Trichloropropane	11.274	75	28786m	5.07	ug/l	
77) Bromobenzene	11.238	156	21384	4.98	ug/l	98
78) n-propylbenzene	11.341	91	93601	4.85	ug/l	99
79) 2-Chlorotoluene	11.402	91	61024	5.14	ug/l	98
80) 1,3,5-Trimethylbenzene	11.488	105	68975	4.88	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.055	75	8493	4.33	ug/l	95
82) 4-Chlorotoluene	11.494	91	69244	4.93	ug/l	98
83) tert-Butylbenzene	11.750	119	66749	4.86	ug/l	98
84) 1,2,4-Trimethylbenzene	11.786	105	69876	4.87	ug/l	99
85) sec-Butylbenzene	11.927	105	77671	4.88	ug/l	99
86) p-Isopropyltoluene	12.049	119	71982	4.89	ug/l	97
87) 1,3-Dichlorobenzene	12.006	146	39389	4.99	ug/l	98
88) 1,4-Dichlorobenzene	12.079	146	40515	5.07	ug/l	93
89) n-Butylbenzene	12.372	91	61303	4.75	ug/l	98
90) Hexachloroethane	12.579	117	13154	4.93	ug/l	91
91) 1,2-Dichlorobenzene	12.372	146	38064	4.95	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.981	75	5909	4.48	ug/l	89
93) 1,2,4-Trichlorobenzene	13.628	180	21420	4.40	ug/l	100
94) Hexachlorobutadiene	13.762	225	11688	4.98	ug/l	98
95) Naphthalene	13.817	128	59177	4.00	ug/l	99
96) 1,2,3-Trichlorobenzene	14.006	180	21356	4.43	ug/l	98

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