

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032421\
 Data File : VX021425.D
 Acq On : 24 Mar 2021 10:26
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 3/25/2021 9:49:21 AM

Quant Time: Mar 24 11:43:03 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032421W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 24 11:38:07 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.623	168	74515	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.829	114	125797	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	112604	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.059	152	54644	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.029	65	6653	5.47	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	10.94%#		
35) Dibromofluoromethane	5.464	113	4745	5.53	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	11.06%#		
50) Toluene-d8	8.694	98	15711	5.03	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	10.06%#		
62) 4-Bromofluorobenzene	11.118	95	6021	4.99	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	9.98%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.187	85	4176	4.78	ug/l	98
3) Chloromethane	1.317	50	5688	3.44	ug/l	98
4) Vinyl Chloride	1.393	62	4327	4.85	ug/l	90
5) Bromomethane	1.623	94	1853	4.83	ug/l	96
6) Chloroethane	1.705	64	2894	5.29	ug/l	92
7) Trichlorofluoromethane	1.911	101	7501	5.54	ug/l	97
8) Diethyl Ether	2.170	74	2545	5.36	ug/l	79
9) 1,1,2-Trichlorotrifluo...	2.364	101	4040	5.24	ug/l	94
10) Methyl Iodide	2.487	142	2092	3.21	ug/l #	86
11) Tert butyl alcohol	3.023	59	5295	25.98	ug/l	97
12) 1,1-Dichloroethene	2.352	96	3931	5.24	ug/l	90
13) Acrolein	2.270	56	4264	34.38	ug/l	100
14) Allyl chloride	2.705	41	7998	5.17	ug/l #	89
15) Acrylonitrile	3.117	53	12790	26.83	ug/l	97
16) Acetone	2.423	43	11896	26.38	ug/l #	85
17) Carbon Disulfide	2.546	76	10224	4.41	ug/l	97
18) Methyl Acetate	2.752	43	6466	5.12	ug/l #	88
19) Methyl tert-butyl Ether	3.170	73	14337	5.09	ug/l	100
20) Methylene Chloride	2.835	84	4779	5.20	ug/l #	88
21) trans-1,2-Dichloroethene	3.140	96	4324	5.15	ug/l	92
22) Diisopropyl ether	3.823	45	15521	5.22	ug/l	89
23) Vinyl Acetate	3.782	43	64560	25.06	ug/l #	92
24) 1,1-Dichloroethane	3.670	63	8542	5.31	ug/l	98
25) 2-Butanone	4.635	43	18665	27.07	ug/l #	88
26) 2,2-Dichloropropane	4.547	77	7167	5.12	ug/l	98
27) cis-1,2-Dichloroethene	4.564	96	4917	5.09	ug/l	88
28) Bromochloromethane	4.976	49	4554	5.99	ug/l #	79
29) Tetrahydrofuran	5.100	42	12190	26.83	ug/l #	84
30) Chloroform	5.176	83	8881	5.30	ug/l	97
31) Cyclohexane	5.547	56	6790	4.68	ug/l	89
32) 1,1,1-Trichloroethane	5.464	97	7832	5.27	ug/l	95
36) 1,1-Dichloropropene	5.764	75	6344	5.03	ug/l	96
37) Ethyl Acetate	4.794	43	7648	5.24	ug/l #	91
38) Carbon Tetrachloride	5.758	117	7040	5.36	ug/l	95
39) Methylcyclohexane	7.435	83	6855	4.89	ug/l	92
40) Benzene	6.111	78	18322	5.26	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	5.005	41	4189	4.96	ug/l	88
42) 1,2-Dichloroethane	6.158	62	8127	5.39	ug/l	93
43) Isopropyl Acetate	6.411	43	11744	4.91	ug/l #	90
44) Trichloroethene	7.188	130	4703	5.09	ug/l	81
45) 1,2-Dichloropropane	7.488	63	4936	5.26	ug/l	95
46) Dibromomethane	7.635	93	3645	5.29	ug/l	88
47) Bromodichloromethane	7.876	83	7172	5.21	ug/l	95
48) Methyl methacrylate	7.747	41	6054	4.74	ug/l #	78
49) 1,4-Dioxane	7.718	88	2411	101.83	ug/l #	90
51) 4-Methyl-2-Pentanone	8.618	43	35718	25.40	ug/l	88
52) Toluene	8.765	92	10654	4.94	ug/l	96
53) t-1,3-Dichloropropene	9.024	75	6709	4.60	ug/l	96
54) cis-1,3-Dichloropropene	8.412	75	7453	4.80	ug/l #	81
55) 1,1,2-Trichloroethane	9.194	97	4600	5.19	ug/l	98
56) Ethyl methacrylate	9.159	69	6520	4.60	ug/l #	72
57) 1,3-Dichloropropane	9.353	76	7840	5.08	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.288	63	17847	22.84	ug/l	94
59) 2-Hexanone	9.471	43	26107	24.82	ug/l	86
60) Dibromochloromethane	9.565	129	4909	4.87	ug/l	97
61) 1,2-Dibromoethane	9.653	107	4785	4.91	ug/l	98
64) Tetrachloroethene	9.318	164	4080	4.90	ug/l #	89
65) Chlorobenzene	10.118	112	11854	5.12	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.206	131	4291	4.97	ug/l	95
67) Ethyl Benzene	10.235	91	20845	4.89	ug/l	99
68) m/p-Xylenes	10.341	106	14901	9.77	ug/l	90
69) o-Xylene	10.683	106	7137	4.82	ug/l	89
70) Styrene	10.694	104	11683	4.68	ug/l	93
71) Bromoform	10.836	173	3361	4.83	ug/l #	96
73) Isopropylbenzene	11.000	105	19995	4.95	ug/l	97
74) N-amyl acetate	10.877	43	9358	4.63	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	11.253	83	7098	5.29	ug/l	98
76) 1,2,3-Trichloropropane	11.277	75	6759m	5.23	ug/l	
77) Bromobenzene	11.236	156	4812	5.00	ug/l	93
78) n-propylbenzene	11.342	91	22714	4.81	ug/l	98
79) 2-Chlorotoluene	11.400	91	14465	5.04	ug/l	97
80) 1,3,5-Trimethylbenzene	11.489	105	16909	4.95	ug/l	95
81) trans-1,4-Dichloro-2-b...	11.059	75	1800	3.93	ug/l #	79
82) 4-Chlorotoluene	11.494	91	17040	5.04	ug/l	95
83) tert-Butylbenzene	11.753	119	15859	4.86	ug/l	92
84) 1,2,4-Trimethylbenzene	11.789	105	17040	4.91	ug/l	98
85) sec-Butylbenzene	11.930	105	18590	4.83	ug/l	99
86) p-Isopropyltoluene	12.047	119	16459	4.68	ug/l	95
87) 1,3-Dichlorobenzene	12.006	146	8791	5.02	ug/l	97
88) 1,4-Dichlorobenzene	12.077	146	9008	5.05	ug/l	90
89) n-Butylbenzene	12.371	91	15001	4.68	ug/l	95
90) Hexachloroethane	12.577	117	2943	5.38	ug/l	88
91) 1,2-Dichlorobenzene	12.377	146	8671	5.10	ug/l	94
92) 1,2-Dibromo-3-Chloropr...	12.983	75	1675	4.90	ug/l	76
93) 1,2,4-Trichlorobenzene	13.630	180	5075	4.53	ug/l	97
94) Hexachlorobutadiene	13.765	225	2497	5.29	ug/l	99
95) Naphthalene	13.818	128	17046	4.45	ug/l	99
96) 1,2,3-Trichlorobenzene	14.001	180	5117	4.61	ug/l	95

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

