

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051921\
 Data File : VX022086.D
 Acq On : 19 May 2021 13:49
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 5/21/2021 1:50:05 PM

Quant Time: May 19 14:13:01 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051921W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 19 13:11:40 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	93060	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	176526	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	158283	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	67427	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.971	65	8196	5.48	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	10.96%#		
35) Dibromofluoromethane	5.397	113	6424	5.42	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	10.84%#		
50) Toluene-d8	8.653	98	24301	5.38	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	10.76%#		
62) 4-Bromofluorobenzene	11.085	95	9066	5.14	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	10.28%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.167	85	5807	4.77	ug/l	91
3) Chloromethane	1.295	50	6276	4.35	ug/l	98
4) Vinyl Chloride	1.374	62	6866	4.17	ug/l	98
5) Bromomethane	1.612	94	4590	7.07	ug/l	85
6) Chloroethane	1.685	64	4443	5.13	ug/l #	85
7) Trichlorofluoromethane	1.886	101	9778	4.29	ug/l	97
8) Diethyl Ether	2.136	74	4245	4.42	ug/l	84
9) 1,1,2-Trichlorotrifluo...	2.331	101	6087	5.12	ug/l	94
10) Methyl Iodide	2.453	142	5127	3.75	ug/l	97
11) Tert butyl alcohol	2.977	59	8915	22.53	ug/l	99
12) 1,1-Dichloroethene	2.319	96	5502	4.42	ug/l	97
13) Acrolein	2.240	56	6754	31.71	ug/l	97
14) Allyl chloride	2.666	41	9968	4.38	ug/l	96
15) Acrylonitrile	3.075	53	16681	22.14	ug/l	99
16) Acetone	2.386	43	17050	25.13	ug/l	93
17) Carbon Disulfide	2.514	76	15215	4.48	ug/l	99
18) Methyl Acetate	2.709	43	8413	4.49	ug/l #	89
19) Methyl tert-butyl Ether	3.123	73	19001	4.74	ug/l	95
20) Methylene Chloride	2.800	84	7376	4.56	ug/l	90
21) trans-1,2-Dichloroethene	3.093	96	6028	4.54	ug/l	94
22) Diisopropyl ether	3.770	45	18931	4.46	ug/l #	95
23) Vinyl Acetate	3.727	43	92026	22.15	ug/l	99
24) 1,1-Dichloroethane	3.617	63	11240	4.59	ug/l	94
25) 2-Butanone	4.568	43	26335	22.72	ug/l	95
26) 2,2-Dichloropropane	4.489	77	10551	4.81	ug/l	100
27) cis-1,2-Dichloroethene	4.495	96	7532	4.77	ug/l	97
28) Bromochloromethane	4.904	49	5456	4.88	ug/l	90
29) Tetrahydrofuran	5.019	42	15286	22.27	ug/l	93
30) Chloroform	5.111	83	11844	4.73	ug/l	91
31) Cyclohexane	5.483	56	9709	4.88	ug/l #	86
32) 1,1,1-Trichloroethane	5.391	97	10075	4.59	ug/l	98
36) 1,1-Dichloropropene	5.696	75	8625	4.65	ug/l	99
37) Ethyl Acetate	4.721	43	10667	4.81	ug/l	95
38) Carbon Tetrachloride	5.684	117	8220	4.44	ug/l	93
39) Methylcyclohexane	7.385	83	9732	4.70	ug/l	90
40) Benzene	6.044	78	26170	4.70	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.940	41	5144	4.27	ug/l	93
42) 1,2-Dichloroethane	6.099	62	9676	5.06	ug/l	98
43) Isopropyl Acetate	6.355	43	17366	4.63	ug/l #	92
44) Trichloroethene	7.135	130	6538	4.82	ug/l	82
45) 1,2-Dichloropropane	7.440	63	6878	4.70	ug/l	96
46) Dibromomethane	7.586	93	4632	4.67	ug/l #	87
47) Bromodichloromethane	7.830	83	8801	4.42	ug/l #	94
48) Methyl methacrylate	7.696	41	7775	4.50	ug/l	90
49) 1,4-Dioxane	7.690	88	2980	82.42	ug/l #	88
51) 4-Methyl-2-Pentanone	8.580	43	50595	21.72	ug/l	89
52) Toluene	8.726	92	16465	4.64	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	10271	4.44	ug/l	99
54) cis-1,3-Dichloropropene	8.373	75	10772	4.44	ug/l	97
55) 1,1,2-Trichloroethane	9.159	97	6691	4.70	ug/l	97
56) Ethyl methacrylate	9.122	69	10377	4.16	ug/l #	89
57) 1,3-Dichloropropane	9.311	76	11799	4.86	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.245	63	27635	22.68	ug/l	98
59) 2-Hexanone	9.433	43	38843	21.76	ug/l	91
60) Dibromochloromethane	9.525	129	5968	3.92	ug/l	100
61) 1,2-Dibromoethane	9.616	107	6754	4.56	ug/l	99
64) Tetrachloroethene	9.275	164	5886	5.70	ug/l	90
65) Chlorobenzene	10.086	112	17124	4.72	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.171	131	5801	4.35	ug/l	94
67) Ethyl Benzene	10.195	91	31869	4.78	ug/l	93
68) m/p-Xylenes	10.305	106	24869	9.80	ug/l	99
69) o-Xylene	10.647	106	11519	4.53	ug/l	94
70) Styrene	10.659	104	18953	4.52	ug/l	97
71) Bromoform	10.805	173	3932	3.93	ug/l #	91
73) Isopropylbenzene	10.970	105	30405	5.03	ug/l	99
74) N-amyl acetate	10.848	43	14121	4.42	ug/l	92
75) 1,1,2,2-Tetrachloroethane	11.214	83	10004	4.51	ug/l	99
76) 1,2,3-Trichloropropane	11.244	75	8623m	4.57	ug/l	
77) Bromobenzene	11.201	156	6580	5.05	ug/l	93
78) n-propylbenzene	11.311	91	35286	4.93	ug/l	99
79) 2-Chlorotoluene	11.366	91	21030	4.86	ug/l	99
80) 1,3,5-Trimethylbenzene	11.457	105	24693	4.77	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.025	75	3148	3.90	ug/l	95
82) 4-Chlorotoluene	11.457	91	25730	5.17	ug/l	96
83) tert-Butylbenzene	11.720	119	24280	4.85	ug/l	92
84) 1,2,4-Trimethylbenzene	11.756	105	25557	4.92	ug/l	99
85) sec-Butylbenzene	11.896	105	29927	4.84	ug/l	97
86) p-Isopropyltoluene	12.012	119	25699	4.90	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	12801	5.19	ug/l	95
88) 1,4-Dichlorobenzene	12.043	146	13102	5.16	ug/l	91
89) n-Butylbenzene	12.335	91	23208	4.81	ug/l	98
90) Hexachloroethane	12.543	117	3988	4.21	ug/l	71
91) 1,2-Dichlorobenzene	12.335	146	12265	5.07	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	12.945	75	1967	3.70	ug/l	84
93) 1,2,4-Trichlorobenzene	13.591	180	7361	5.04	ug/l	96
94) Hexachlorobutadiene	13.731	225	2786	4.90	ug/l	93
95) Naphthalene	13.780	128	27064	4.56	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	7150	4.84	ug/l	97

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

