

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052921\
 Data File : VX022265.D
 Acq On : 28 May 2021 21:11
 Operator : JC/MD
 Sample : VX0529WBSD02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0529WBSD02

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 APPROVED

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 6/2/2021 2:28:12 PM

Quant Time: May 29 04:17:33 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051921W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 19 14:23:10 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	75420	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	153522	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	136756	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	60769	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	63248	54.36	ug/l	0.00
Spiked Amount 50.000	Range	78 - 117	Recovery	= 108.72%		
35) Dibromofluoromethane	5.397	113	47236	48.52	ug/l	0.00
Spiked Amount 50.000	Range	75 - 124	Recovery	= 97.04%		
50) Toluene-d8	8.653	98	182721	48.72	ug/l	0.00
Spiked Amount 50.000	Range	92 - 112	Recovery	= 97.44%		
62) 4-Bromofluorobenzene	11.085	95	69527	50.16	ug/l	0.00
Spiked Amount 50.000	Range	83 - 123	Recovery	= 100.32%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.167	85	16538	18.04	ug/l	95
3) Chloromethane	1.295	50	17489	17.68	ug/l	99
4) Vinyl Chloride	1.374	62	18917	18.08	ug/l	98
5) Bromomethane	1.599	94	10156	16.65	ug/l	97
6) Chloroethane	1.685	64	11802	18.94	ug/l	94
7) Trichlorofluoromethane	1.886	101	28257	18.78	ug/l	96
8) Diethyl Ether	2.142	74	12186	18.83	ug/l	92
9) 1,1,2-Trichlorotrifluo...	2.331	101	17078	19.11	ug/l	90
10) Methyl Iodide	2.453	142	18229	18.98	ug/l	98
11) Tert butyl alcohol	2.977	59	30165	113.36	ug/l	98
12) 1,1-Dichloroethene	2.319	96	15942	18.44	ug/l	92
13) Acrolein	2.240	56	14949	84.71	ug/l	98
14) Allyl chloride	2.666	41	30820	19.41	ug/l	97
15) Acrylonitrile	3.075	53	58190	111.08	ug/l	98
16) Acetone	2.386	43	52379	103.40	ug/l	96
17) Carbon Disulfide	2.514	76	31870	14.08	ug/l	97
18) Methyl Acetate	2.715	43	30694	22.78	ug/l	94
19) Methyl tert-butyl Ether	3.123	73	60767	20.52	ug/l	99
20) Methylene Chloride	2.794	84	21626	19.23	ug/l	94
21) trans-1,2-Dichloroethene	3.099	96	18010	19.16	ug/l	93
22) Diisopropyl ether	3.770	45	62895	20.57	ug/l	95
23) Vinyl Acetate	3.733	43	295736	100.45	ug/l	97
24) 1,1-Dichloroethane	3.617	63	35761	19.93	ug/l	100
25) 2-Butanone	4.568	43	87806	107.14	ug/l	93
26) 2,2-Dichloropropane	4.483	77	26883	16.88	ug/l	100
27) cis-1,2-Dichloroethene	4.495	96	23186	20.28	ug/l	97
28) Bromochloromethane	4.904	49	18348	21.08	ug/l	83
29) Tetrahydrofuran	5.019	42	50486	103.50	ug/l	92
30) Chloroform	5.105	83	36746	19.82	ug/l	98
31) Cyclohexane	5.483	56	27040	18.50	ug/l	98
32) 1,1,1-Trichloroethane	5.391	97	30733	19.40	ug/l	97
36) 1,1-Dichloropropene	5.702	75	25909	18.25	ug/l	97
37) Ethyl Acetate	4.727	43	33800	19.42	ug/l	95
38) Carbon Tetrachloride	5.690	117	24040	17.31	ug/l	95
39) Methylcyclohexane	7.385	83	27039	16.79	ug/l	98
40) Benzene	6.044	78	81965	18.77	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	18502	19.87	ug/l	94
42) 1,2-Dichloroethane	6.099	62	29618	19.35	ug/l	98
43) Isopropyl Acetate	6.349	43	55328	19.44	ug/l	95
44) Trichloroethene	7.135	130	19908	18.34	ug/l	99
45) 1,2-Dichloropropane	7.440	63	22097	19.83	ug/l	91
46) Dibromomethane	7.586	93	14266	18.87	ug/l #	88
47) Bromodichloromethane	7.824	83	27186	17.97	ug/l #	93
48) Methyl methacrylate	7.696	41	25077	19.12	ug/l	92
49) 1,4-Dioxane	7.665	88	10705	419.14	ug/l	96
51) 4-Methyl-2-Pentanone	8.580	43	177502	104.10	ug/l	91
52) Toluene	8.720	92	50379	18.21	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	30303	17.35	ug/l	99
54) cis-1,3-Dichloropropene	8.373	75	32868	17.51	ug/l	95
55) 1,1,2-Trichloroethane	9.153	97	22030	19.62	ug/l	97
56) Ethyl methacrylate	9.122	69	34319	18.91	ug/l #	87
57) 1,3-Dichloropropane	9.311	76	38168	19.91	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.245	63	92812	94.56	ug/l	96
59) 2-Hexanone	9.433	43	133214	103.88	ug/l	92
60) Dibromochloromethane	9.525	129	18573	17.00	ug/l	98
61) 1,2-Dibromoethane	9.616	107	21766	19.47	ug/l	98
64) Tetrachloroethene	9.275	164	16386	18.25	ug/l	91
65) Chlorobenzene	10.080	112	53552	18.81	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	17935	18.13	ug/l	95
67) Ethyl Benzene	10.195	91	100053	19.10	ug/l	99
68) m/p-Xylenes	10.305	106	74038	37.41	ug/l	99
69) o-Xylene	10.647	106	36046	18.73	ug/l	99
70) Styrene	10.659	104	60485	19.18	ug/l	98
71) Bromoform	10.805	173	10843	15.31	ug/l #	99
73) Isopropylbenzene	10.964	105	96938	18.85	ug/l	99
74) N-amyl acetate	10.848	43	47387	19.41	ug/l	91
75) 1,1,2,2-Tetrachloroethane	11.214	83	34278	20.11	ug/l	99
76) 1,2,3-Trichloropropane	11.244	75	30512m	20.35	ug/l	
77) Bromobenzene	11.201	156	20236	18.56	ug/l	87
78) n-propylbenzene	11.305	91	112548	18.68	ug/l	98
79) 2-Chlorotoluene	11.366	91	66200	18.12	ug/l	98
80) 1,3,5-Trimethylbenzene	11.457	105	78769	18.48	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	9644	15.24	ug/l	91
82) 4-Chlorotoluene	11.457	91	77340	18.37	ug/l	97
83) tert-Butylbenzene	11.720	119	75249	18.41	ug/l	92
84) 1,2,4-Trimethylbenzene	11.756	105	79903	18.62	ug/l	99
85) sec-Butylbenzene	11.896	105	96896	18.65	ug/l	98
86) p-Isopropyltoluene	12.012	119	81879	18.66	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	38109	18.12	ug/l	97
88) 1,4-Dichlorobenzene	12.043	146	40018	18.41	ug/l	97
89) n-Butylbenzene	12.335	91	73953	18.22	ug/l	98
90) Hexachloroethane	12.543	117	10717	14.78	ug/l	77
91) 1,2-Dichlorobenzene	12.335	146	38432	19.03	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	12.945	75	6831	18.73	ug/l	79
93) 1,2,4-Trichlorobenzene	13.591	180	22453	18.42	ug/l	96
94) Hexachlorobutadiene	13.725	225	8699	18.29	ug/l	99
95) Naphthalene	13.780	128	92642	19.49	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	22699	18.48	ug/l	98

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

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