

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX033121\
 Data File : VX021693.D
 Acq On : 31 Mar 2021 18:11
 Operator : JC/MD
 Sample : M1842-23MSD
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW181S-20210323MSD

Manual Integrations
 APPROVED

MMDadoda
 4/1/2021 4:13:48 PM

Quant Time: Apr 01 03:28:48 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032421W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 24 12:25:26 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.629	168	72679	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.829	114	118678	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	110768	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.059	152	53438	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.029	65	57107	47.22	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	94.44%
35) Dibromofluoromethane	5.470	113	40884	48.50	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.00%
50) Toluene-d8	8.694	98	146276	48.69	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.38%
62) 4-Bromofluorobenzene	11.118	95	55566	47.58	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	95.16%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.187	85	35311	44.20	ug/l	100
3) Chloromethane	1.311	50	42813	46.62	ug/l	99
4) Vinyl Chloride	1.393	62	39885	48.81	ug/l	99
5) Bromomethane	1.623	94	18407	55.98	ug/l	95
6) Chloroethane	1.699	64	26176	50.51	ug/l	99
7) Trichlorofluoromethane	1.905	101	66684	50.18	ug/l	94
8) Diethyl Ether	2.170	74	23531	51.03	ug/l	79
9) 1,1,2-Trichlorotrifluo...	2.358	101	36438	48.71	ug/l	96
10) Methyl Iodide	2.487	142	36686	61.10	ug/l	91
11) Tert butyl alcohol	3.023	59	49707	248.64	ug/l	95
12) 1,1-Dichloroethene	2.352	96	34834	47.56	ug/l	88
13) Acrolein	2.276	56	24345	241.57	ug/l	97
14) Allyl chloride	2.705	41	70363	47.33	ug/l #	88
15) Acrylonitrile	3.117	53	121706	256.16	ug/l	98
16) Acetone	2.423	43	115706	253.06	ug/l #	87
17) Carbon Disulfide	2.546	76	82428	40.08	ug/l	98
18) Methyl Acetate	2.752	43	68698	52.01	ug/l	90
19) Methyl tert-butyl Ether	3.170	73	138897	50.78	ug/l	100
20) Methylene Chloride	2.834	84	43019	48.21	ug/l #	85
21) trans-1,2-Dichloroethene	3.140	96	38038	47.28	ug/l	92
22) Diisopropyl ether	3.829	45	146600	50.75	ug/l	91
23) Vinyl Acetate	3.788	43	558970	228.79	ug/l #	93
24) 1,1-Dichloroethane	3.670	63	79372	50.97	ug/l	97
25) 2-Butanone	4.635	43	177924	256.70	ug/l #	89
26) 2,2-Dichloropropane	4.552	77	58493	43.36	ug/l	97
27) cis-1,2-Dichloroethene	4.564	96	46941	50.25	ug/l	92
28) Bromochloromethane	4.976	49	37725	48.39	ug/l	87
29) Tetrahydrofuran	5.088	42	114058	253.81	ug/l #	86
30) Chloroform	5.176	83	86923	52.89	ug/l	99
31) Cyclohexane	5.547	56	61416	46.19	ug/l	89
32) 1,1,1-Trichloroethane	5.458	97	75881	52.10	ug/l	96
36) 1,1-Dichloropropene	5.764	75	56771	48.82	ug/l	97
37) Ethyl Acetate	4.799	43	61524	45.76	ug/l #	93
38) Carbon Tetrachloride	5.753	117	64774	51.84	ug/l	98
39) Methylcyclohexane	7.441	83	60036	46.57	ug/l	92
40) Benzene	6.111	78	169769	51.41	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.999	41	39013	50.03	ug/l	88
42) 1,2-Dichloroethane	6.158	62	74239	51.86	ug/l	94
43) Isopropyl Acetate	6.411	43	104955	48.07	ug/l #	91
44) Trichloroethene	7.188	130	45902	52.68	ug/l	95
45) 1,2-Dichloropropane	7.488	63	46587	52.08	ug/l	98
46) Dibromomethane	7.635	93	33427	51.27	ug/l	93
47) Bromodichloromethane	7.876	83	70339	53.01	ug/l	99
48) Methyl methacrylate	7.747	41	59539	51.12	ug/l #	83
49) 1,4-Dioxane	7.712	88	22616	1084.70	ug/l #	89
51) 4-Methyl-2-Pentanone	8.618	43	360959	268.80	ug/l	88
52) Toluene	8.765	92	107040	52.48	ug/l	100
53) t-1,3-Dichloropropene	9.024	75	68722	51.29	ug/l	99
54) cis-1,3-Dichloropropene	8.412	75	72700	50.99	ug/l #	85
55) 1,1,2-Trichloroethane	9.194	97	46477	53.99	ug/l	99
56) Ethyl methacrylate	9.159	69	66948	46.21	ug/l #	74
57) 1,3-Dichloropropane	9.353	76	77179	52.39	ug/l	100
59) 2-Hexanone	9.471	43	270419	268.18	ug/l	85
60) Dibromochloromethane	9.565	129	53406	55.39	ug/l	99
61) 1,2-Dibromoethane	9.653	107	48259	52.19	ug/l	100
64) Tetrachloroethene	9.318	164	43384	58.47	ug/l	96
65) Chlorobenzene	10.118	112	115208	51.77	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.206	131	46100	54.07	ug/l	100
67) Ethyl Benzene	10.235	91	208166	51.32	ug/l	99
68) m/p-Xylenes	10.341	106	152928	105.83	ug/l	95
69) o-Xylene	10.683	106	72916	52.10	ug/l	92
70) Styrene	10.694	104	127496	52.97	ug/l	96
71) Bromoform	10.841	173	37911	54.71	ug/l #	99
73) Isopropylbenzene	11.000	105	203454	54.19	ug/l	99
74) N-amyl acetate	10.883	43	87205	48.00	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	11.253	83	68861	51.91	ug/l	98
76) 1,2,3-Trichloropropane	11.277	75	67841m	54.53	ug/l	
77) Bromobenzene	11.236	156	48922	52.56	ug/l	95
78) n-propylbenzene	11.341	91	234708	52.93	ug/l	97
79) 2-Chlorotoluene	11.406	91	140584	52.27	ug/l	100
80) 1,3,5-Trimethylbenzene	11.489	105	172898	53.90	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.059	75	20376	49.89	ug/l #	84
82) 4-Chlorotoluene	11.494	91	165571	51.85	ug/l	98
83) tert-Butylbenzene	11.753	119	162081	51.90	ug/l	92
84) 1,2,4-Trimethylbenzene	11.789	105	174915	54.09	ug/l	97
85) sec-Butylbenzene	11.930	105	190261	52.81	ug/l	98
86) p-Isopropyltoluene	12.047	119	171448	52.28	ug/l	96
87) 1,3-Dichlorobenzene	12.006	146	85516	51.02	ug/l	99
88) 1,4-Dichlorobenzene	12.083	146	85733	49.45	ug/l	98
89) n-Butylbenzene	12.371	91	149891	49.89	ug/l	95
90) Hexachloroethane	12.577	117	30580	51.67	ug/l	96
91) 1,2-Dichlorobenzene	12.377	146	85777	52.64	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.983	75	16112	48.26	ug/l	82
93) 1,2,4-Trichlorobenzene	13.630	180	53236	49.84	ug/l	98
94) Hexachlorobutadiene	13.765	225	23515	48.78	ug/l	98
95) Naphthalene	13.818	128	180625	51.85	ug/l	99
96) 1,2,3-Trichlorobenzene	14.001	180	52159	48.86	ug/l	94

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

