

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091621\
 Data File : VX024278.D
 Acq On : 16 Sep 2021 11:00
 Operator : JC/MD
 Sample : VX0916WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0916WBS01

Manual Integrations
 APPROVED

MMDadoda
 9/22/2021 7:39:06 PM

Quant Time: Sep 22 08:35:48 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091421W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 21 10:52:48 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	159783	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	254442	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	234200	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	131007	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	113739	49.919	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	99.840%
35) Dibromofluoromethane	5.391	113	82406	48.292	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.580%
50) Toluene-d8	8.653	98	306226	49.262	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.520%
62) 4-Bromofluorobenzene	11.085	95	118368	48.929	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	97.860%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.173	85	31462	20.484	ug/l	99
3) Chloromethane	1.295	50	30530	19.034	ug/l	99
4) Vinyl Chloride	1.374	62	30428	19.062	ug/l	99
5) Bromomethane	1.599	94	23578	24.811	ug/l	99
6) Chloroethane	1.685	64	19644	18.631	ug/l	98
7) Trichlorofluoromethane	1.886	101	51449	19.214	ug/l	96
8) Diethyl Ether	2.136	74	17461	18.845	ug/l	89
9) 1,1,2-Trichlorotrifluo...	2.331	101	29659	18.854	ug/l	94
10) Methyl Iodide	2.453	142	39046	17.942	ug/l #	90
11) Tert butyl alcohol	2.977	59	52551	96.305	ug/l	100
12) 1,1-Dichloroethene	2.319	96	27759	18.842	ug/l	88
13) Acrolein	2.239	56	12719	84.698	ug/l	99
14) Allyl chloride	2.666	41	55807	20.843	ug/l	89
15) Acrylonitrile	3.069	53	100093	107.405	ug/l	95
16) Acetone	2.386	43	87079	89.632	ug/l	92
17) Carbon Disulfide	2.514	76	66189	17.927	ug/l	96
18) Methyl Acetate	2.709	43	66430	21.810	ug/l	91
19) Methyl tert-butyl Ether	3.123	73	114492	21.146	ug/l	100
20) Methylene Chloride	2.794	84	37605	20.157	ug/l	90
21) trans-1,2-Dichloroethene	3.093	96	34541	21.416	ug/l	92
22) Diisopropyl ether	3.770	45	105306	20.025	ug/l	98
23) Vinyl Acetate	3.727	43	420603	98.505	ug/l #	93
24) 1,1-Dichloroethane	3.611	63	59361	19.237	ug/l	97
25) 2-Butanone	4.562	43	140378	98.103	ug/l	93
26) 2,2-Dichloropropane	4.477	77	51415	19.023	ug/l	96
27) cis-1,2-Dichloroethene	4.495	96	37783	20.284	ug/l	94
28) Bromochloromethane	4.904	49	27469	21.848	ug/l	96
29) Tetrahydrofuran	5.019	42	85622	95.599	ug/l	91
30) Chloroform	5.099	83	64278	19.588	ug/l	95
31) Cyclohexane	5.477	56	50465	18.935	ug/l	97
32) 1,1,1-Trichloroethane	5.385	97	56488	19.234	ug/l	98
36) 1,1-Dichloropropene	5.696	75	44544	19.041	ug/l	100
37) Ethyl Acetate	4.727	43	50095	18.378	ug/l #	93
38) Carbon Tetrachloride	5.684	117	48933	18.585	ug/l	95
39) Methylcyclohexane	7.385	83	56415	20.199	ug/l	96
40) Benzene	6.050	78	135437	20.186	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	27359	18.821	ug/l	90
42) 1,2-Dichloroethane	6.092	62	57834	20.671	ug/l	95
43) Isopropyl Acetate	6.348	43	84075	19.376	ug/l	93
44) Trichloroethene	7.129	130	38323	20.329	ug/l	94
45) 1,2-Dichloropropane	7.434	63	36417	20.565	ug/l	95
46) Dibromomethane	7.586	93	25945	20.015	ug/l	97
47) Bromodichloromethane	7.824	83	46878	19.449	ug/l	97
48) Methyl methacrylate	7.696	41	42732	19.738	ug/l	85
49) 1,4-Dioxane	7.665	88	18840	415.597	ug/l #	96
51) 4-Methyl-2-Pentanone	8.580	43	279446	101.066	ug/l	89
52) Toluene	8.720	92	87810	19.968	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	52817	19.323	ug/l	99
54) cis-1,3-Dichloropropene	8.373	75	55751	19.709	ug/l #	91
55) 1,1,2-Trichloroethane	9.159	97	37150	19.837	ug/l	94
56) Ethyl methacrylate	9.116	69	54755	18.400	ug/l #	79
57) 1,3-Dichloropropane	9.311	76	59461	19.495	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.245	63	138796	102.409	ug/l	98
59) 2-Hexanone	9.433	43	220730	102.452	ug/l	86
60) Dibromochloromethane	9.525	129	36153	18.160	ug/l	98
61) 1,2-Dibromoethane	9.610	107	38681	19.384	ug/l	98
64) Tetrachloroethene	9.275	164	37837	20.855	ug/l	93
65) Chlorobenzene	10.080	112	94549	19.623	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	35937	20.125	ug/l	98
67) Ethyl Benzene	10.195	91	175664	20.841	ug/l	100
68) m/p-Xylenes	10.305	106	138177	42.820	ug/l	97
69) o-Xylene	10.647	106	66258	20.570	ug/l	99
70) Styrene	10.659	104	108938	20.848	ug/l	97
71) Bromoform	10.805	173	25756	18.021	ug/l #	99
73) Isopropylbenzene	10.964	105	171199	17.548	ug/l	99
74) N-amyl acetate	10.848	43	74275	18.086	ug/l	90
75) 1,1,2,2-Tetrachloroethane	11.213	83	59691	18.913	ug/l	99
76) 1,2,3-Trichloropropane	11.244	75	54133m	17.970	ug/l	
77) Bromobenzene	11.201	156	44308	18.071	ug/l	95
78) n-propylbenzene	11.305	91	205935	18.686	ug/l	99
79) 2-Chlorotoluene	11.366	91	129076	18.855	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	161408	19.628	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	15675	15.304	ug/l #	85
82) 4-Chlorotoluene	11.457	91	152511	19.581	ug/l	100
83) tert-Butylbenzene	11.719	119	155527	19.595	ug/l	94
84) 1,2,4-Trimethylbenzene	11.756	105	160636	19.858	ug/l	99
85) sec-Butylbenzene	11.896	105	197512	19.862	ug/l	100
86) p-Isopropyltoluene	12.012	119	166946	20.000	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	87795	19.991	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	86908	19.387	ug/l	97
89) n-Butylbenzene	12.335	91	143899	19.924	ug/l	98
90) Hexachloroethane	12.543	117	24729	18.388	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	85834	19.921	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	12090	16.697	ug/l	87
93) 1,2,4-Trichlorobenzene	13.591	180	45189	17.798	ug/l	99
94) Hexachlorobutadiene	13.725	225	23406	18.460	ug/l	98
95) Naphthalene	13.780	128	144349	16.308	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	44902	17.545	ug/l	99

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

