

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091421\
 Data File : VX024197.D
 Acq On : 14 Sep 2021 10:14
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 9/15/2021 5:54:08 PM

Quant Time: Sep 14 11:31:45 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091421W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 14 11:30:21 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	198172	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	312057	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	287152	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	134256	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	15573	5.483	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	10.960%#		
35) Dibromofluoromethane	5.391	113	10644	4.926	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	9.860%#		
50) Toluene-d8	8.653	98	37502	4.791	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	9.580%#		
62) 4-Bromofluorobenzene	11.085	95	14109	4.653	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	9.300%#		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.172	85	10126	5.274	ug/l	98
3) Chloromethane	1.294	50	10383	5.231	ug/l	98
4) Vinyl Chloride	1.374	62	10385	5.364	ug/l	97
5) Bromomethane	1.599	94	6814	6.032	ug/l	96
6) Chloroethane	1.678	64	6848	5.311	ug/l	100
7) Trichlorofluoromethane	1.886	101	16966	5.123	ug/l	96
8) Diethyl Ether	2.142	74	6119	5.306	ug/l	86
9) 1,1,2-Trichlorotrifluo...	2.331	101	10148	5.188	ug/l	96
10) Methyl Iodide	2.453	142	11684	4.556	ug/l	94
11) Tert butyl alcohol	2.977	59	23998	37.235	ug/l #	92
12) 1,1-Dichloroethene	2.319	96	9446	5.102	ug/l	90
13) Acrolein	2.239	56	5193	23.578	ug/l	92
14) Allyl chloride	2.666	41	16791	5.047	ug/l	89
15) Acrylonitrile	3.075	53	30072	25.743	ug/l	98
16) Acetone	2.392	43	32011	25.960	ug/l #	85
17) Carbon Disulfide	2.508	76	22023	4.959	ug/l	98
18) Methyl Acetate	2.715	43	19368	5.955	ug/l	95
19) Methyl tert-butyl Ether	3.123	73	33890	4.927	ug/l	97
20) Methylene Chloride	2.794	84	12052	5.047	ug/l #	91
21) trans-1,2-Dichloroethene	3.099	96	9870	4.993	ug/l	97
22) Diisopropyl ether	3.770	45	32499	4.905	ug/l #	88
23) Vinyl Acetate	3.733	43	130259	24.674	ug/l	94
24) 1,1-Dichloroethane	3.617	63	19042	5.034	ug/l	94
25) 2-Butanone	4.574	43	43957	24.572	ug/l	98
26) 2,2-Dichloropropane	4.483	77	16881	4.958	ug/l	96
27) cis-1,2-Dichloroethene	4.501	96	11564	4.865	ug/l	92
28) Bromochloromethane	4.910	49	8758	5.394	ug/l	99
29) Tetrahydrofuran	5.025	42	27890	24.753	ug/l	91
30) Chloroform	5.099	83	20861	5.078	ug/l	90
31) Cyclohexane	5.477	56	16135	4.993	ug/l	93
32) 1,1,1-Trichloroethane	5.391	97	18112	4.875	ug/l	98
36) 1,1-Dichloropropene	5.696	75	14649	4.950	ug/l	94
37) Ethyl Acetate	4.727	43	16079	4.807	ug/l	95
38) Carbon Tetrachloride	5.684	117	15837	4.904	ug/l	98
39) Methylcyclohexane	7.385	83	16533	4.732	ug/l	94
40) Benzene	6.044	78	42465	5.094	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	8895	4.977	ug/l	89
42) 1,2-Dichloroethane	6.098	62	17143	4.985	ug/l	93
43) Isopropyl Acetate	6.348	43	26694	4.907	ug/l #	91
44) Trichloroethene	7.129	130	11383	4.844	ug/l	99
45) 1,2-Dichloropropane	7.434	63	10519	4.848	ug/l	96
46) Dibromomethane	7.586	93	7991	5.011	ug/l	96
47) Bromodichloromethane	7.824	83	13942	4.623	ug/l	92
48) Methyl methacrylate	7.696	41	12886	4.972	ug/l	86
49) 1,4-Dioxane	7.671	88	5365	91.990	ug/l #	91
51) 4-Methyl-2-Pentanone	8.580	43	86760	25.262	ug/l	90
52) Toluene	8.720	92	26022	4.811	ug/l	94
53) t-1,3-Dichloropropene	8.982	75	15058	4.395	ug/l	94
54) cis-1,3-Dichloropropene	8.372	75	15896	4.480	ug/l #	91
55) 1,1,2-Trichloroethane	9.159	97	11162	4.836	ug/l	98
56) Ethyl methacrylate	9.122	69	15678	4.384	ug/l #	76
57) 1,3-Dichloropropane	9.311	76	18559	4.921	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	41803	24.683	ug/l	97
59) 2-Hexanone	9.433	43	68157	25.396	ug/l	86
60) Dibromochloromethane	9.525	129	10216	4.313	ug/l	98
61) 1,2-Dibromoethane	9.616	107	11678	4.808	ug/l	99
64) Tetrachloroethene	9.275	164	11460	5.085	ug/l	94
65) Chlorobenzene	10.086	112	30129	5.082	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	10569	4.588	ug/l	98
67) Ethyl Benzene	10.195	91	51511	4.898	ug/l	100
68) m/p-Xylenes	10.305	106	38293	9.493	ug/l	94
69) o-Xylene	10.646	106	19366	4.799	ug/l	99
70) Styrene	10.659	104	30703	4.743	ug/l	97
71) Bromoform	10.805	173	7211	4.162	ug/l #	100
73) Isopropylbenzene	10.963	105	50344	5.009	ug/l	99
74) N-amyl acetate	10.848	43	21373	4.964	ug/l	91
75) 1,1,2,2-Tetrachloroethane	11.213	83	17165	5.292	ug/l	97
76) 1,2,3-Trichloropropane	11.244	75	15953m	5.170	ug/l	
77) Bromobenzene	11.201	156	12788	4.943	ug/l	96
78) n-propylbenzene	11.305	91	55581	4.878	ug/l	99
79) 2-Chlorotoluene	11.366	91	36453	5.116	ug/l	100
80) 1,3,5-Trimethylbenzene	11.457	105	42440	4.987	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	4229	4.026	ug/l #	74
82) 4-Chlorotoluene	11.457	91	41908	5.159	ug/l	95
83) tert-Butylbenzene	11.719	119	41448	4.992	ug/l	93
84) 1,2,4-Trimethylbenzene	11.756	105	41903	4.936	ug/l	99
85) sec-Butylbenzene	11.896	105	51778	4.982	ug/l	99
86) p-Isopropyltoluene	12.012	119	41848	4.785	ug/l	95
87) 1,3-Dichlorobenzene	11.975	146	22568	4.883	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	23600	5.117	ug/l	93
89) n-Butylbenzene	12.335	91	36032	4.807	ug/l	98
90) Hexachloroethane	12.542	117	6137	4.397	ug/l	99
91) 1,2-Dichlorobenzene	12.341	146	22390	4.947	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.945	75	3260	4.393	ug/l	88
93) 1,2,4-Trichlorobenzene	13.591	180	11901	4.429	ug/l	98
94) Hexachlorobutadiene	13.725	225	6258	4.856	ug/l	96
95) Naphthalene	13.780	128	36342	4.183	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	12015	4.491	ug/l	99

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

