

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040722\
 Data File : VX028006.D
 Acq On : 07 Apr 2022 12:59
 Operator : JC/MD
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/08/2022
 Supervised By : Mahesh Dadoda 04/08/2022

Quant Time: Apr 07 15:23:41 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040722W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 07 15:23:12 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	66161	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	114646	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	101691	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	44018	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	0.000	65	0d	0.000	ug/l	
Spiked Amount	50.000	Range	61 - 141	Recovery	=	0.000%#
35) Dibromofluoromethane	0.000	113	0d	0.000	ug/l	
Spiked Amount	50.000	Range	69 - 133	Recovery	=	0.000%#
50) Toluene-d8	0.000	98	0d	0.000	ug/l	
Spiked Amount	50.000	Range	65 - 126	Recovery	=	0.000%#
62) 4-Bromofluorobenzene	0.000	95	0d	0.000	ug/l	
Spiked Amount	50.000	Range	58 - 135	Recovery	=	0.000%#
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	1112	1.440	ug/l	100
3) Chloromethane	1.294	50	1085	1.656	ug/l	91
4) Vinyl Chloride	1.374	62	824	1.183	ug/l	96
6) Chloroethane	1.685	64	789	1.880	ug/l	89
7) Trichlorofluoromethane	1.886	101	1548	1.398	ug/l	100
8) Diethyl Ether	2.130	74	565	1.517	ug/l	81
9) 1,1,2-Trichlorotrifluo...	2.331	101	980	1.466	ug/l	98
12) 1,1-Dichloroethene	2.319	96	908	1.435	ug/l #	77
14) Allyl chloride	2.660	41	1312	1.323	ug/l #	76
15) Acrylonitrile	3.068	53	2332	6.264	ug/l	89
16) Acetone	2.380	43	2952	9.120	ug/l #	87
17) Carbon Disulfide	2.514	76	2332	1.381	ug/l	95
18) Methyl Acetate	2.709	43	1335	1.600	ug/l #	79
19) Methyl tert-butyl Ether	3.117	73	2746	1.298	ug/l #	77
20) Methylene Chloride	2.794	84	1143	1.626	ug/l #	87
21) trans-1,2-Dichloroethene	3.099	96	799	1.143	ug/l	92
22) Diisopropyl ether	3.770	45	2880	1.462	ug/l #	88
23) Vinyl Acetate	3.733	43	11664	6.806	ug/l #	86
24) 1,1-Dichloroethane	3.617	63	1652	1.397	ug/l #	81
25) 2-Butanone	4.568	43	3737	7.117	ug/l	96
26) 2,2-Dichloropropane	4.489	77	1329	1.440	ug/l #	52
27) cis-1,2-Dichloroethene	4.483	96	935	1.163	ug/l	78
28) Bromochloromethane	4.897	49	659	1.396	ug/l #	66
29) Tetrahydrofuran	5.019	42	2451	7.263	ug/l #	81
30) Chloroform	5.092	83	1764	1.357	ug/l	99
32) 1,1,1-Trichloroethane	5.379	97	1412	1.210	ug/l #	43
36) 1,1-Dichloropropene	5.690	75	1246	1.198	ug/l #	84
37) Ethyl Acetate	4.714	43	1508	1.398	ug/l #	73
38) Carbon Tetrachloride	5.684	117	1267	1.100	ug/l #	70
39) Methylcyclohexane	7.379	83	1368	1.064	ug/l	99
40) Benzene	6.037	78	3452	1.166	ug/l	99
41) Methacrylonitrile	4.934	41	778	1.364	ug/l #	72
42) 1,2-Dichloroethane	6.086	62	1472	1.326	ug/l #	73
43) Isopropyl Acetate	6.354	43	2264	1.350	ug/l #	77
44) Trichloroethene	7.123	130	812	0.928	ug/l	97
45) 1,2-Dichloropropane	7.434	63	770	1.067	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) Dibromomethane	7.592	93	768	1.316	ug/l #	80
47) Bromodichloromethane	7.830	83	1157	1.074	ug/l #	93
48) Methyl methacrylate	7.702	41	1044	1.288	ug/l #	78
49) 1,4-Dioxane	7.665	88	423	20.435	ug/l #	90
51) 4-Methyl-2-Pentanone	8.574	43	6463	5.891	ug/l #	86
52) Toluene	8.720	92	2449	1.252	ug/l	97
53) t-1,3-Dichloropropene	8.982	75	1033	0.947	ug/l #	78
54) cis-1,3-Dichloropropene	8.372	75	1146	0.961	ug/l	92
55) 1,1,2-Trichloroethane	9.153	97	826	1.029	ug/l #	85
56) Ethyl methacrylate	9.128	69	1080	0.907	ug/l #	55
57) 1,3-Dichloropropane	9.311	76	1407	1.093	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.250	63	2699	4.630	ug/l	93
59) 2-Hexanone	9.433	43	5384	6.339	ug/l	80
60) Dibromochloromethane	9.525	129	745	0.862	ug/l	94
61) 1,2-Dibromoethane	9.616	107	900	1.056	ug/l	96
64) Tetrachloroethene	9.275	164	743	0.932	ug/l #	69
65) Chlorobenzene	10.079	112	2281	1.070	ug/l #	81
66) 1,1,1,2-Tetrachloroethane	10.165	131	808	1.026	ug/l #	66
67) Ethyl Benzene	10.195	91	3820	1.029	ug/l	94
68) m/p-Xylenes	10.305	106	2977	2.059	ug/l	85
69) o-Xylene	10.646	106	1487	1.062	ug/l	97
70) Styrene	10.659	104	2198	0.941	ug/l #	86
71) Bromoform	10.799	173	507	0.806	ug/l #	78
73) Isopropylbenzene	10.963	105	3650	1.176	ug/l	97
74) N-amyl acetate	10.841	43	1678	1.502	ug/l #	77
75) 1,1,2,2-Tetrachloroethane	11.213	83	1348	1.317	ug/l	91
76) 1,2,3-Trichloropropane	11.244	75	1302m	1.415	ug/l	
77) Bromobenzene	11.201	156	900	1.124	ug/l	80
78) n-propylbenzene	11.305	91	4392	1.237	ug/l	90
79) 2-Chlorotoluene	11.366	91	2702	1.205	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	3072	1.151	ug/l	90
82) 4-Chlorotoluene	11.457	91	3133	1.227	ug/l	90
83) tert-Butylbenzene	11.719	119	2729	1.023	ug/l	80
84) 1,2,4-Trimethylbenzene	11.750	105	3136	1.162	ug/l	91
85) sec-Butylbenzene	11.890	105	3426	1.048	ug/l	96
86) p-Isopropyltoluene	12.012	119	2875	1.039	ug/l	88
87) 1,3-Dichlorobenzene	11.969	146	1614	1.075	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	1728m	1.142	ug/l	
89) n-Butylbenzene	12.335	91	2536	1.075	ug/l	97
90) Hexachloroethane	12.542	117	433	0.988	ug/l	58
91) 1,2-Dichlorobenzene	12.335	146	1525	1.043	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	12.945	75	327	1.348	ug/l #	54
93) 1,2,4-Trichlorobenzene	13.591	180	951	1.018	ug/l	92
94) Hexachlorobutadiene	13.719	225	516	1.153	ug/l	85
95) Naphthalene	13.780	128	3054	0.995	ug/l	98
96) 1,2,3-Trichlorobenzene	13.963	180	887	0.969	ug/l	98

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

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